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ABSTRACT

This annual publication describes the collections, staffing, expenditures, and interlibrary loan activity of 108 university and 11 nonuniversity library members of the Association of Research Libraries (ARL) during the 1993-94 fiscal year. Sections I, II, III, and IV contain: a 27-item selected bibliography; summary data tables on collections, expenditures, interlibrary loans, and personnel; an analysis of selected variables; and Ph.D., faculty, and enrollment statistics, respectively. Section V provides rank order tables of university libraries for the following statistical information: volumes in library; volumes added (gross); current serials (totals); microform holdings; government documents; materials expenditures; salaries and wages expenditures; other operating expenditures; total library expenditures; monographs purchased (volumes); expenditures for monographs; serials purchased (subscriptions); expenditures for serials; total items loaned; total items borrowed; professional staff (full-time equivalent--FTE); support staff (FTE); and total staff (FTE). A copy of the ARL statistics questionnaire is provided in sections VI and VII contain the questionnaire and footnotes to statistics. An appendix lists ARL member libraries. (MAS)

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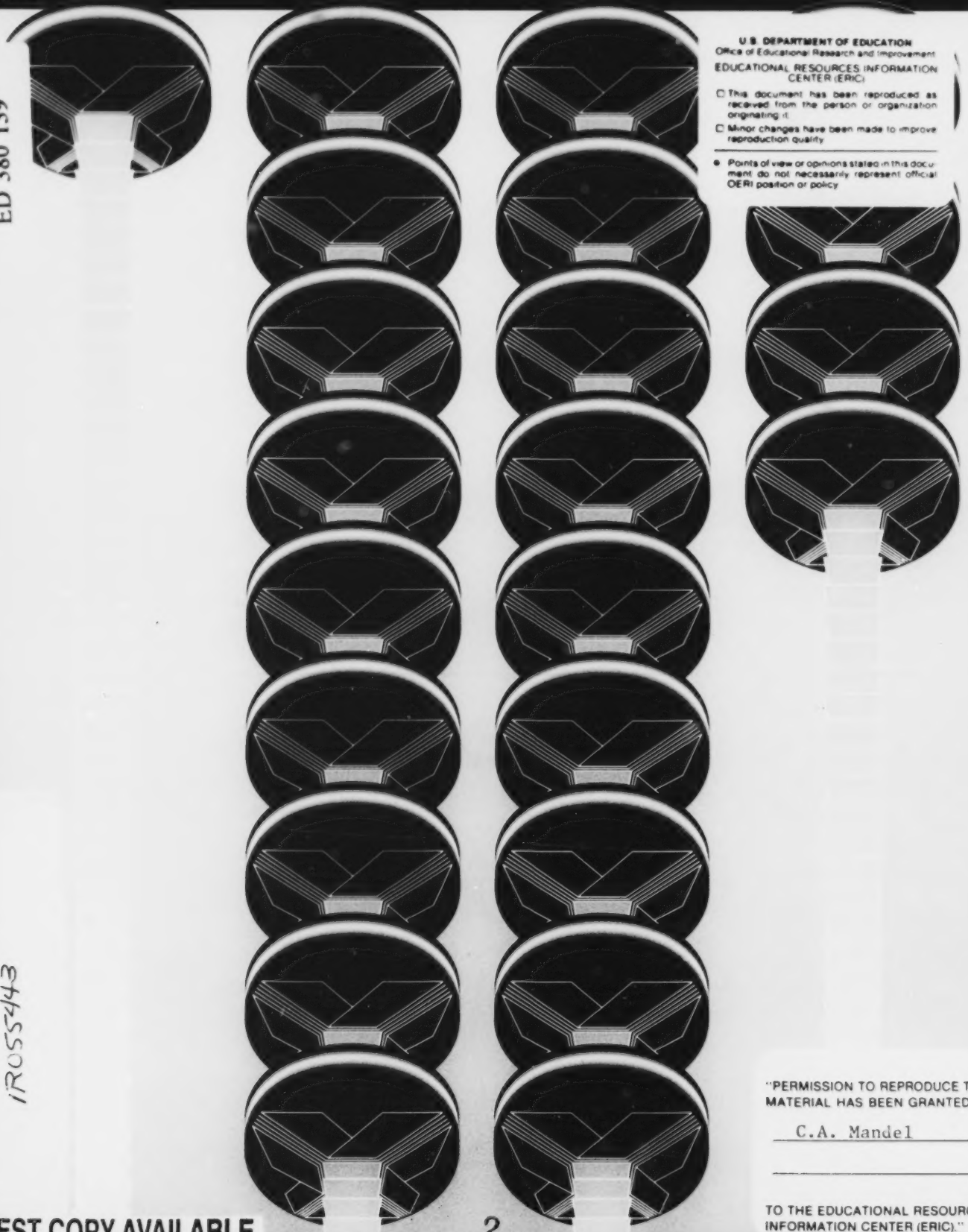
ARL STATISTICS

ASSOCIATION OF RESEARCH LIBRARIES

ISSN 0147-2135

1993-94



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ARL STATISTICS

1993-94

A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND NINETEEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

Compiled and Edited by

Martha Kyrillidou
Kaylyn E. Hipps
Kendon Stubbs

ASSOCIATION OF RESEARCH LIBRARIES
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The following datafiles with accompanying documentation are available from the ARL publications office for $15.00 each:

- *Research Library Statistics, 1907-08 through 1987-88*
- *ARL Statistics 1988-89 -- 1990-91*
- *ARL Statistics 1991-92*
- *ARL Statistics 1992-93*
- *ARL Statistics 1993-94*

ARL statistical data after 1992-93 are also available over the Internet:

- http://arl.cni.org/index.html [or] http://www.lib.virginia.edu/arlstats/
- gopher arl.cni.org [or] gopher gopher.virginia.edu
- ftp.lib.virginia.edu, and cd to pub/socsci/arlstats/

The ARL Statistics on the Internet are maintained by the Social Science Data Center in the Alderman Library at the University of Virginia.

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The quantitative rank order tables presented in this publication are not indicative of performance and outcomes, and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.

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Introduction

The 1993-94 *ARL Statistics* is an annual publication that describes the collections, staffing, expenditures, and interlibrary loan activities of 108 university and 11 nonuniversity library members of the Association of Research Libraries during the 1993-94 fiscal year. The ARL membership consists of the largest research libraries in North America, representing 15 Canadian and 104 U.S. research institutions.

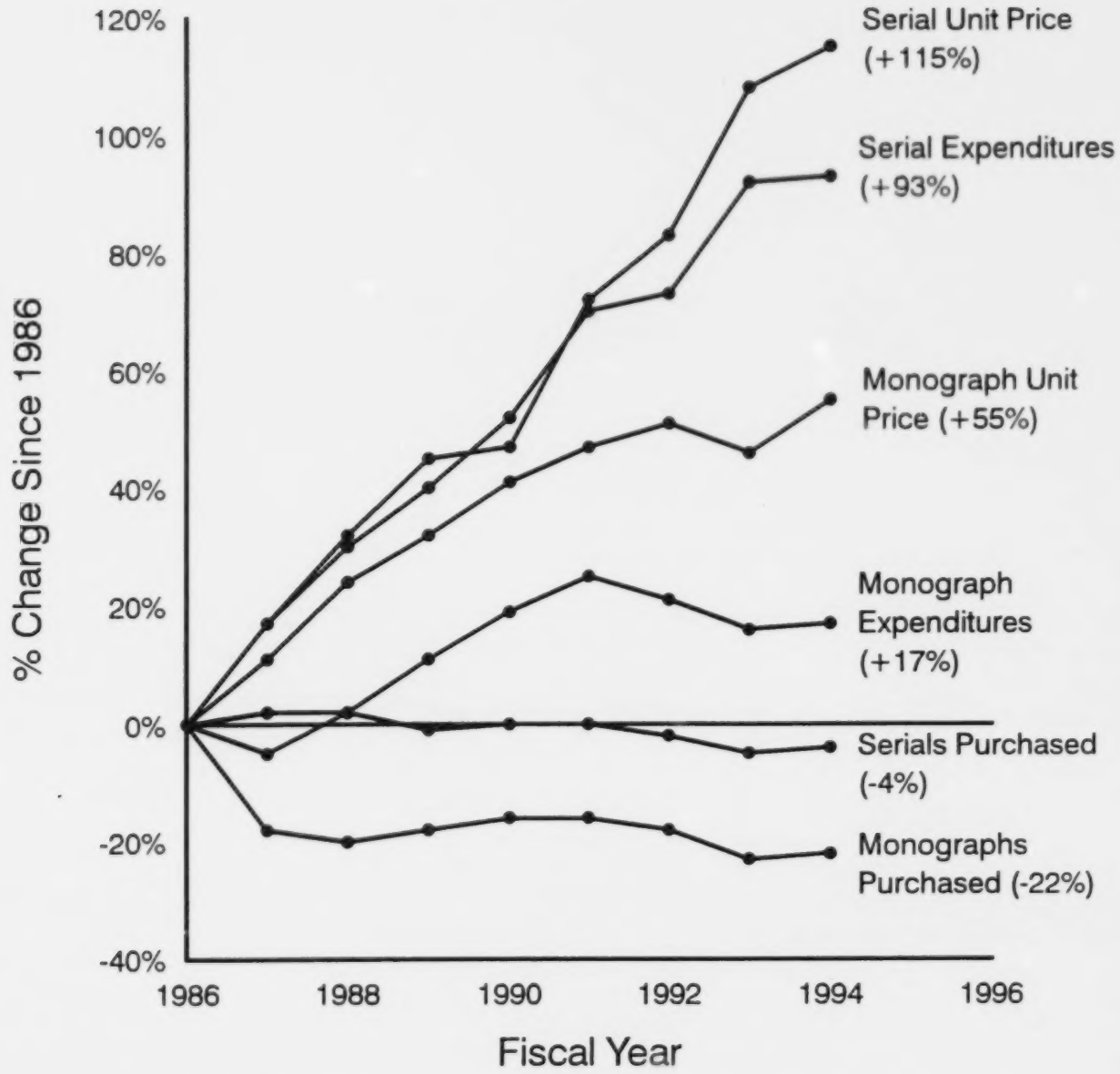
The academic libraries represent 90% of the membership, comprised of 13 Canadian and 95 U.S. libraries. The ARL data series on these institutions is probably the most comprehensive time series that describes trends for academic libraries dating back to 1907/08. Statistics have been collected and issued annually for the members of the Association of Research Libraries since 1961-62. Before that, annual statistics for university libraries have been collected by James Gerould, first at Minnesota and later at Princeton. These data cover the years 1907-08 through 1961-62 and are now called the Gerould statistics. The whole data series from 1908 to the present represents the oldest continuing library statistical series in North America. At present 1993 and 1994 data are available over the Internet. The first electronic publication of the ARL Statistics on the World Wide Web (WWW) was prepared by Paul Bergen, John Price-Wilkin, and Kendon Stubbs at the University of Virginia's Social Science Data Center in the Alderman Library. The electronic publication has an interactive data analysis component (see title page verso for location information).

Despite the fact that ARL membership represents a small number of academic libraries, these institutions account for a large part of the academic library market in terms of the size of assets, budgets, and users they represent. For that reason, ARL data, although limited to describing ARL member institutions, are useful indicators in describing academic library trends for U.S. and Canadian institutions.

The graphs and tables presented in the introduction show the percentage changes in selected variables for academic libraries since 1986. The first graph describes the costs of serial and monograph acquisitions in ARL libraries; the second one, entitled "Supply and Demand," compares growth in numbers of users with changes in on-site resources and resource-sharing activities; and the third one, "Resources per Student," shows whether certain resources are increasing or decreasing on a per student basis. The discussion also includes a description of changes in personnel resources and expenditures for personnel. The graphs are based on time series that start in 1986, and they depict only those libraries that have had no missing data in the respective variables since 1986. Although these graphs are based on less than the full population of 108 academic libraries, additional analysis has been carried out to ensure that the time series trends represent population trends.

Major trends that are apparent from these graphs are large increases in monograph and serial costs, declining acquisitions of serials and monographs, and increased levels of activity for interlibrary loan operations. Although it is tempting to draw generalizations from these major trends, it would be a mistake to oversimplify. The environment of academic libraries is complicated. To some extent, these trends are tied to the transformational nature of new technologies and networking capabilities. Although most monographs and serial titles are still

Monograph and Serial Costs in ARL Libraries, 1986-1994



Source: 1993-94 ARL Statistics

Prepared by Kendon Stubbs; copyright © 1995 by the Association of Research Libraries

produced in a paper format, traditional formats are being challenged by electronic means of producing and disseminating scholarly information. Electronic communication and the establishment of networks, consortia, and interinstitutional agreements are similarly making more effective the dissemination of information not only for digitized materials but for printed books and/or photocopies as well. Other possible explanations for the trends above could also be the strong emphasis on scientific and technical research, expectations for timely information, twigging effect of specialization in new fields of knowledge, etc. No matter what the underlying causal relations, research libraries are exchanging some of the traditional archival imperative for the demands of the 'information here and now' imperative.

Table 1
Monograph and Serial Costs in ARL Libraries, 1986-1994
Median Values for Time-Series Trends

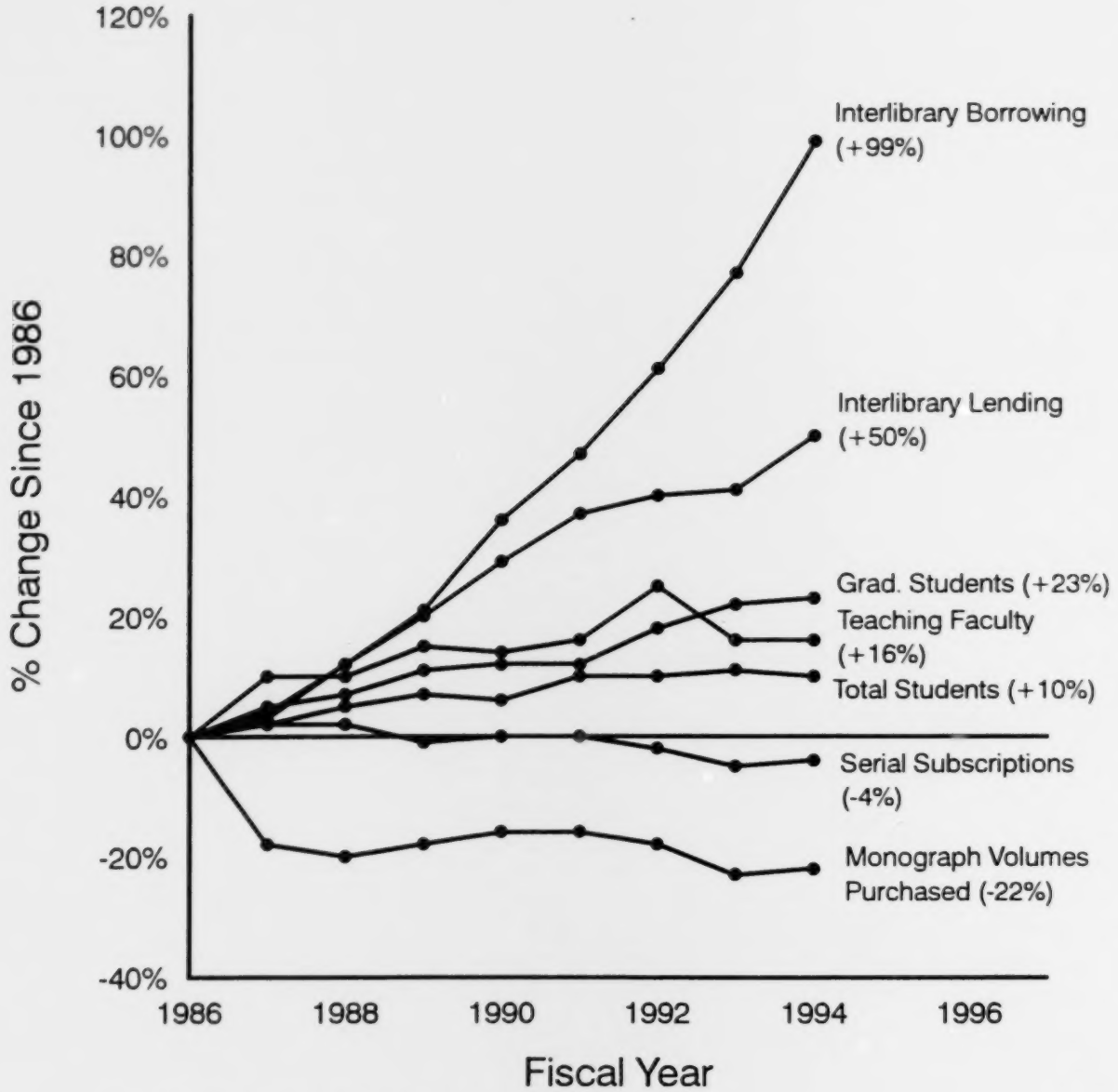
Year	Serial Unit Price	Serial Expenditures	Monograph Unit Price	Monograph Expenditures	Serials Purchased	Monographs Purchased
(No. of Libraries)	(45)	(103)	(64)	(99)	(45)	(64)
1986	$88.31	$1,517,724	$28.65	$1,120,645	16,198	33,210
1987	$104.30	$1,770,567	$31.76	$1,064,484	16,518	27,214
1988	$117.25	$1,979,604	$35.63	$1,141,226	16,443	26,541
1989	$128.47	$2,130,162	$37.74	$1,241,133	16,015	27,268
1990	$130.81	$2,304,744	$40.26	$1,330,747	16,182	27,999
1991	$152.43	$2,578,309	$42.04	$1,400,738	16,149	28,027
1992	$162.72	$2,630,827	$43.31	$1,353,865	15,846	27,158
1993	$184.71	$2,919,756	$41.78	$1,295,807	15,463	25,583
1994	$191.13	$2,932,091	$44.51	$1,309,807	15,583	25,803
Annual average percent change	10.1%	8.6%	5.7%	2.0%	-0.5%	-3.1%

In more specific terms, ARL data show that since 1986 ARL libraries spent 93% more on serials while buying 4% fewer serials and 17% more on monographs while buying 22% fewer monographs. ARL libraries bought 1% more serials and monographs last year than the previous year. This could be a sign that the downward trend of declining serial and monographic acquisitions of the previous two years may be slowing down. On the other hand, it could be the effect of libraries deciding to cut back on those serials subscriptions that had highest inflation rates.

The inflationary unit prices for both serials and monographs continue to increase. The 6.5% percent increase in the monograph unit price during 1993-94 is the largest since 1990. The annual average increase is 5.7% for monographs since 1986 and has been a problem in the context of pressures to pay rapidly rising serial costs. The recognized "serials crisis" shows itself in higher serial prices that have an annual average percent increase of a bit more than 10% during the last eight years.[1]

[1] The *ARL Statistics 1985-86,* based on only the data for that one year, show a median price of $29.50 for monographs (p. 28) and the *ARL Statistics 1993-94*, based on data submitted only for that one year, show a median price of $44.06 (p. 38). However the annually published figures are not appropriate indicators for a time series analysis because the two figures are derived from a different set of libraries.

Supply and Demand in ARL Libraries, 1986-1994



Note: This graph compares growth in numbers of users with changes in on-site resources and resource-sharing.

Source: 1993-94 ARL Statistics

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Although libraries are buying fewer serials and monographs than they bought nine years ago, they are called upon to serve an increasing body of users, 10% more students and 16% more faculty. The median number of students increased from 16,684 to 18,287, with the number of graduate students rising more rapidly, and the median number of faculty increased by 180 more faculty since 1986. In 1986 the median ARL library subscribed to 16,198 serials and bought about 33,200 monographs for 16,684 students and 1,125 faculty; but in 1994 the median ARL library bought only 15,583 serials and 25,803 monographs for a larger number of both students and faculty.

At the same time, faculty and students are borrowing almost twice as many items in 1994 than they did in 1986. ARL libraries are also lending 50% more items than they did eight years ago. Borrowing increases at a faster rate than lending.

Table 2
Supply and Demand in ARL Libraries, 1986-1994
Median Values for Time-Series Trends

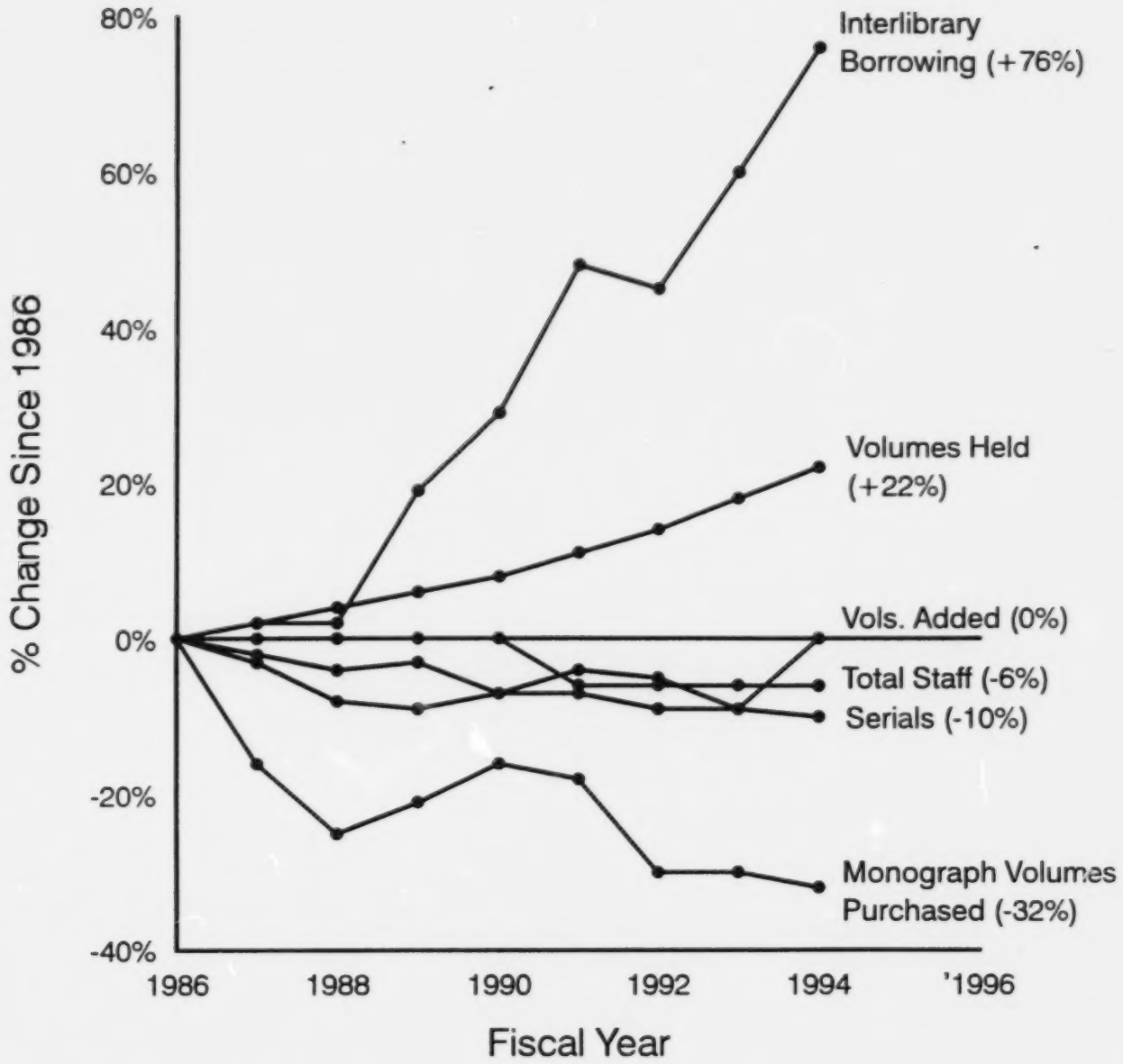
Year	Interlibrary Borrowing	Interlibrary Lending	Graduate Students	Teaching Faculty	Total Students	Serials Purchased	Monographs Purchased
(No. of Libraries)	(106)	(106)	(106)	(103)	(106)	(45)	(64)
1986	7,049	16,152	3,040	1,125	16,684	16,198	33,210
1987	7,362	16,608	3,177	1,234	17,029	16,518	27,214
1988	7,914	18,060	3,262	1,243	17,485	16,443	26,541
1989	8,548	19,317	3,375	1,293	17,866	16,015	27,268
1990	9,588	20,815	3,393	1,280	17,745	16,182	27,999
1991	10,342	22,056	3,397	1,303	18,290	16,149	28,027
1992	11,318	22,547	3,591	1,401	18,273	15,846	27,158
1993	12,486	22,840	3,694	1,303	18,450	15,463	25,583
1994	13,996	24,293	3,728	1,304	18,287	15,583	25,803
Annual average percent change	9.0%	5.2%	2.6%	1.9%	1.2%	-0.5%	-3.1%

Per student borrowing activity increased 10% percent during the last year alone, compared to the 7.3% annual increase since 1986. By 1996 or 1997, libraries will be borrowing twice as many items on a per student basis as they did ten years ago. This overall trend should not be interpreted as a rigid doubling period as it falsifies the varying experiences of individual libraries.

Acquisitions levels for both serials and monographs per student continue to slide. Libraries acquire 32% fewer monographs and 10% fewer serials per student than they did in 1986. That is actually 820 serial titles and 1,520 monographs per 1,000 students in 1994, when there were 910 serial titles and 2,220 monographs purchased per 1,000 students in 1986. They also have fewer staff per student in 1994 as compared to 1986.

The median number of volumes added in a library per student has been below 1986 levels ever since. Last year, the median number of volumes added increased to 4.17 per student and approached 1986 levels.

Resources per Student in ARL Libraries, 1986-1994



Source: 1993-94 ARL Statistics

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Staffing levels per student actually decreased in 1991 but since then they have remained constant. In 1994, there was a median number of 15 professional librarians per 1,000 students.

Although the per student staff levels have decreased, it is not because libraries have fewer staff but because staffing levels have not increased at the same rate as enrollment levels. The actual numbers of professional librarians and student assistants working in ARL libraries has increased 10% since 1986, but the median number of support staff per library has slightly decreased (1%). So, on a per student basis there is more professional although not as much support staff as in 1986.

Table 3
Resources per Student in ARL libraries, 1986-1994
Median Values for Time-Series Trends

Year	Interlibrary Borrowing	Volumes Held	Volumes Added (Gross)	Total Staff	Serials Purchased	Monographs Purchased
(No. of Libraries)	(106)	(106)	(106)	(106)	(45)	(64)
1986	0.42	123.97	4.18	0.016	0.91	2.22
1987	0.43	126.34	4.07	0.016	0.89	1.87
1988	0.43	129.34	3.85	0.016	0.87	1.66
1989	0.50	131.04	3.79	0.016	0.88	1.76
1990	0.54	134.45	3.90	0.016	0.85	1.87
1991	0.62	137.79	4.00	0.015	0.85	1.83
1992	0.61	140.79	3.97	0.015	0.83	1.56
1993	0.67	146.44	3.82	0.015	0.83	1.55
1994	0.74	151.77	4.17	0.015	0.82	1.52
Annual average percent change	7.3%	2.6%	-0.0%	-0.8%	-1.3%	-4.6%

Also, expenditures per professional staff member increased 9% since 1986 after adjusting for inflation. The findings on the increases in the expenditures per professional librarian are in harmony with the fact that professional librarians' salaries are increasing faster than inflation as reported in the *ARL Salary Survey 1994*.[2] Additional data from the salary survey show that the beginning salary for professional librarians has risen faster than the median salary. It could be that the newly hired professionals have technical expertise that is in high demand.

Interestingly enough, total expenditures for salaries for professional staff are slightly higher than the total expenditures for salaries for support staff in 1994 while the opposite was true in 1986. It may be that there is increased emphasis on providing more professional services. Another possibility is that increased levels of professional service are available to assist libraries in coping with increased networking capabilities and services.

At the same time, although libraries are spending less money on student assistants, they hire 10% more of them in 1994 as compared to 1986. It is possible that as libraries hire more professionals to provide additional network services, they also hire more students for daily operations using funds from support staff positions.

[2] *ARL Annual Salary Survey 1994*, p. 11 and p. 31.

Table 4
Expenditures for Personnel in ARL libraries, 1986-1994
Median Values for Time-Series Trends

Year	Expend. per Prof. Staff	Expend. per Support Staff	Expend. per Student Assistant	Total Expend. for Prof. Staff	Total Expend. for Support Staff	Total Expend. for Student Asst.	Number of Prof. Staff	Number of Support Staff	Number of Student Assistants
(No. of libraries)	(96)	(96)	(96)	(96)	(96)	(96)	(96)	(96)	(96)
1986	$26,608	$14,171	$7,135	$1,833,856	$1,886,098	$447,872	67	137	58
1987	27,775	14,737	7,236	1,887,827	1,981,290	478,132	69	133	63
1988	28,282	15,263	7,057	2,003,400	2,089,008	469,701	70	139	61
1989	28,770	15,650	7,366	2,018,141	2,164,299	465,221	72	141	63
1990	28,666	15,549	7,720	2,068,090	2,163,691	462,376	74	143	61
1991	29,465	15,188	7,620	2,112,710	2,155,605	502,311	71	141	62
1992	29,159	15,603	7,577	2,130,694	2,180,995	485,907	74	132	63
1993	28,943	15,786	7,614	2,088,962	2,105,311	454,106	73	134	64
1994	28,920	15,803	7,436	2,134,991	2,095,149	444,957	74	136	64
Annual average percent change	1.0%	1.4%	0.5%	1.9%	1.3%	-0.0%	1.3%	-0.0%	1.2%

In sum, fewer purchases of serials and monographs coupled with increases in expenditures for serials and monographs are indicators of the declining purchasing power of academic libraries. Higher levels of both interlibrary loan and borrowing activities could serve as indicators of increased access to remote resources. As a result, it seems that there are fewer local resources per student but increased access to remote resources. Constrained local resources with increased need for professional and timely library service are some of the signs of the times.

Library roles are being redefined, as the academic community gradually changes. The ARL Statistics and Measurement Committee continues to look for new ways to describe and measure the performance of research libraries and their contribution to teaching, research, learning and community service in times of rapid change. The goal for academic libraries is to define output and outcome measures that reflect their relevance to the success of a university.

ARL efforts towards the development of new measures have appeared in various supplementary surveys that serve as a testbed for new variables. In the past, for example, the six variables (that is, manuscripts and archives, cartographic materials, graphic materials, audio materials, video materials, and computer files) on library collections were included in the supplementary survey and were added to the *ARL Statistics* for the first time a year ago. The new categories mirror the collection categories in the current U.S. IPEDS library reports, as well as in the not-yet-published revision of the NISO standard on library statistics (Z39.7). In turn, these collection categories are derived from the major divisions of the *Anglo-American Cataloging Rules*.

Also reported here for the fourth year is a data category for separately shelved government documents which was also part of the supplementary surveys prior to its inclusion in the *ARL Statistics*. Included in this category are publications of federal, state, and provincial governments and international organizations that are not represented in the libraries' online or other regular catalogs. Documents that are classified and individually represented in the catalogs, whether or not they are housed separately, and regardless of the type of classification, are included in the

categories of Volumes in Library, Volumes Added, and Current Serials (Not Purchased and Total). For some libraries, the shift of government documents into the categories of Volumes Held and Added, and to Serials, has produced discontinuities during the last four years in the historical series of data. The footnotes to this volume and the instructions for the ARL statistics questionnaire may provide further clarification about how libraries are integrating documents into their statistics.

Those using the *ARL Statistics* to compare individual libraries should consult the "Footnotes" and the symbols in the "ARL Library Data Tables." Although definitions used in the *Statistics* aim at consistency, differing reporting practices do exist among member libraries. To aid comparability in the *ARL Statistics*, expenditures of Canadian libraries are expressed in U.S. dollars, at the rate of 1.3381 Canadian dollars to one U.S. dollar. This exchange rate is the average monthly noon exchange rate published in the *Bank of Canada Review* for the period July, 1993 - June, 1994. Expenditures reported in Canadian dollars are given in the "Footnotes" to the *ARL Statistics*.

The quantitative rank order tables presented in this publication are not indicative of performance and outcomes, and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.

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Association of Research Libraries

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January 31, 1995

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LIBRARY DATA TABLES

ARL LIBRARY DATA TABLES 1993-94

I. COLLECTIONS

INSTITUTION	Notes	Volumes in Library (1)	Volumes Added (Gross) (2)	Volumes Added (Net) (3)	Monographs Purchased (4)	Current Serials Purchased (5)	Current Serials Not Purchased (6)	Current Serials Total (7)
ALABAMA	LM+	1,989,201	51,887	46,200	21,215	10,498	6,194	16,692
ALBERTA	BLM+	3,757,528	78,674	72,721	28,972	14,615	6,239	20,85
ARIZONA	LM+	4,126,225	116,389	108,154	56,800	19,461	4,591	24,052
ARIZONA STATE	BL+	3,019,670	96,470	92,783	55,403	22,499	10,973	33,472
AUBURN	+	2,233,727	94,248	92,871	29,125	8,336	11,300	19,636
BOSTON	LM+	1,949,570	63,782	53,847	19,932	17,355	11,440	28,795
BRIGHAM YOUNG	+	2,326,023	67,790	63,994	49,213	10,021	8,046	18,067
BRITISH COLUMBIA	LM+	3,468,072	128,109	120,400	62,032	16,258	5,220	21,478
BROWN	+	2,709,732	108,067	103,473	26,246	10,287	2,991	13,278
CALIFORNIA, BERKELEY	L+	8,078,685	156,040	106,769	U/A	U/A	U/A	89,948
CALIFORNIA, DAVIS	bLM+	2,725,302	75,346	66,032	U/A	U/A	U/A	49,098
CALIFORNIA, IRVINE	M+	1,648,407	53,476	49,919	22,308	U/A	U/A	16,907
CALIFORNIA, LOS ANGELES	LM+	6,460,391	166,912	154,636	146,754	U/A	U/A	96,003
CALIFORNIA, RIVERSIDE	+	1,717,626	38,035	35,622	24,092	7,430	5,866	13,296
CALIFORNIA, SAN DIEGO	M+	2,297,271	82,629	35,575	60,522	17,787	5,779	23,566
CALIFORNIA, SANTA BARBARA	+	2,164,156	39,844	37,382	24,832	12,334	11,991	24,325
CASE WESTERN RESERVE	LM+	1,871,260	38,523	30,221	13,597	11,834	2,111	13,945
CHICAGO	bLM+	5,710,003	135,997	131,066	71,245	U/A	U/A	46,730
CINCINNATI	LM+	1,980,314	38,149	32,541	26,444	U/A	U/A	19,378
COLORADO	L+	2,575,290	74,669	70,885	46,529	17,211	11,229	28,440
COLORADO STATE	+	1,553,346	60,885	48,177	22,076	8,883	12,146	21,029
COLUMBIA	LM+	6,532,066	161,986	145,354	U/A	41,288	25,107	66,395
CONNECTICUT	BGLM+	2,481,922	71,648	66,944	22,784	17,886	729	18,615
CORNELL	BL+	5,697,525	133,816	117,896	U/A	U/A	U/A	61,915
DARTMOUTH	M+	2,057,421	73,537	65,347	23,091	15,813	3,849	19,662
DELAWARE	G+	2,168,197	49,836	48,298	30,520	17,899	1,959	19,858
DUKE	GLM+	4,330,108	107,210	95,123	38,526	U/A	U/A	31,873
EMORY	BLM+	2,418,322	63,676	58,033	U/A	16,787	6,768	23,555
FLORIDA	GLM+	3,092,189	73,088	69,421	25,360	19,302	4,889	24,191
FLORIDA STATE	BGL+	2,065,664	57,665	37,155	U/A	U/A	U/A	18,498
GEORGETOWN	GLM+	2,017,927	56,510	52,814	18,480	24,024	2,012	26,036
GEORGIA	L+	3,215,717	84,495	84,315	39,730	U/A	U/A	47,650
GEORGIA TECH	+	1,811,702	40,429	39,768	10,057	5,698	5,826	11,524
GUELPH	b+	2,111,526	56,510	52,894	17,221	7,653	4,749	12,402
HARVARD	LM+	12,877,360	262,113	222,557	U/A	U/A	U/A	96,291
HAWAII	+	2,786,852	71,826	68,234	U/A	23,325	12,968	36,293
HOUSTON	GL+	1,804,002	52,429	49,667	29,021	13,384	814	14,198
HOWARD	GLM	1,943,749	39,254	38,639	11,678	19,364	2,195	21,559
ILLINOIS, CHICAGO	M+	1,828,223	49,314	45,586	24,193	15,072	917	15,989
ILLINOIS, URBANA	L+	8,474,737	194,203	193,281	96,414	U/A	U/A	91,318

+ - See Footnotes
L - Includes Law Library
M- Includes Medical Library
G - Government Documents Not Included in Serials Count
B - Includes Branch Campuses
b - Bibliographic Count
U/A - Unavailable
N/A - Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus.	Cartographic Materials	Graphic Materials	Audio-visual Materials	Video and Film	
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	INSTITUTION
2,994,509	1,118,753	1,402	24,433	258,750	177,181	16,728	2,564	ALABAMA
3,352,053	971	4,107	9,486	1,354,000	U/A	U/A	U/A	ALBERTA
4,624,724	0	1,206	3,133	28,958	0	500	1,550	ARIZONA
6,176,776	700,513	936	10,179	217,361	529,126	41,393	13,614	ARIZONA STATE
2,859,260	393,725	680	7,312	134,299	301,400	13,634	4,986	AUBURN
3,328,569	U/A	450	35,000	U/A	U/A	U/A	U/A	AUSTIN
2,130,758	369,754	4,246	15,062	U/A	U/A	U/A	U/A	BAYLOR
4,258,400	813,099	2,468	9,453	244,910	672,162	125,946	6,152	BRITISH COLUMBIA
1,442,662	0	U/A	4,638	127,600	839,746	46,336	2,730	BROWN
5,379,562	109,390	2,426	U/A	404,655	2,822,499	161,747	11,648	CALIFORNIA, BERKELEY
3,315,050	96,868	1,246	9,569	230,399	208,842	13,852	379	CALIFORNIA, DAVIS
2,069,713	489,577	2,138	1,745	8,896	71,672	12,509	2,139	CALIFORNIA, IRVINE
5,612,521	69,843	2,202	75,186	618,960	4,349,328	143,135	14,081	CALIFORNIA, LOS ANGELES
1,537,680	40,823	1,234	1,626	12,466	U/A	529	2,259	CALIFORNIA, RIVERSIDE
2,416,367	400	699	5,961	U/A	U/A	U/A	U/A	CALIFORNIA, S. DIEGO
3,858,191	657,145	618	8,151	3,509,257	7,320	93,302	2,541	CALIFORNIA, SANTA BARBARA
2,141,154	30,580	1,127	911	63,800	72,054	27,114	4,606	CASE WESTERN RESERVE
2,039,956	U/A	281	19,402	U/A	U/A	U/A	U/A	CHICAGO
3,842,695	U/A	567	13,457	U/A	U/A	U/A	U/A	CINCINNATI
5,319,494	1,565,109	1,900	23,711	232,487	331,609	44,548	7,045	COLORADO
2,183,536	322,044	1,113	2,144	55,101	2,155	6,699	30	COLORADO STATE
4,809,185	U/A	U/A	208,201	U/A	U/A	U/A	U/A	COLUMBIA
3,559,323	U/A	501	11,450	U/A	U/A	U/A	U/A	CONNECTICUT
6,507,593	U/A	3,022	53,526	211,872	31,569	71,715	9,131	CORNELL
2,378,886	0	1,886	11,215	167,282	345,953	23,663	2,548	DARTMOUTH
2,609,965	408,145	486	2,572	126,448	481	1,335	3,723	DELAWARE
3,004,538	U/A	3,975	18,706	U/A	U/A	U/A	U/A	DUKE
2,938,130	223,577	1,344	8,864	25,261	2,671	13,325	6,430	EMORY
5,586,785	1,199,462	12,936	6,614	661,877	98,840	14,552	5,170	FLORIDA
4,253,629	248,009	1,187	2,428	65,334	41	277	3,499	FLORIDA STATE
2,605,469	435,436	2,418	14,124	1,040	10,652	3,646	7,926	GEORGETOWN
5,204,977	884,534	918	30,212	579,199	U/A	42,278	20,808	GEORGIA
3,572,250	0	426	7,734	173,681	92,987	1,859	1,619	GEORGIA TECH
1,376,653	0	118	5,807	71,950	U/A	9,127	6,139	GUELPH
7,244,390	U/A	U/A	U/A	U/A	U/A	U/A	U/A	HARVARD
5,488,805	0	781	3,162	232,555	1,658	12,510	11,941	HAWAII
3,677,450	637,781	218	1,270	338	180	343	988	HOUSTON
3,601,731	0	285	6,600	78	32,800	12,804	4,986	HOWARD
2,181,074	430,280	505	17,893	169,982	215,761	12,651	8,171	ILLINOIS, CHICAGO
4,177,679	U/A	1,206	22,069	615,205	85,774	131,419	6,319	ILLINOIS, URBANA

U/A - Unavailable N/A - Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

I. COLLECTIONS

INSTITUTION	Notes	Volumes in Library (1)	Volumes Added (Gross) (2)	Volumes Added (Net) (3)	Mono-graphs Purchased (4)	Current Serials Purchased (5)	Current Serials Not Purchased (6)	Current Serials Total (7)
INDIANA	L+	5,554,529	149,827	115,669	U/A	27,728	12,820	40,548
IOWA	LM+	3,567,227	92,013	85,941	39,754	17,528	22,481	40,009
IOWA STATE	+	2,011,189	48,117	16,813	20,969	14,233	6,825	21,058
JOHNS HOPKINS	M+	3,061,736	64,863	49,371	39,153	15,583	4,918	20,501
KANSAS	BLM+	3,292,923	100,777	99,073	49,002	19,119	13,932	33,051
KENT STATE	B+	2,175,065	40,088	35,936	34,683	7,633	3,251	10,884
KENTUCKY	LM+	2,556,807	52,413	40,933	15,394	13,899	12,738	26,637
LAVAL	LM+	2,057,291	71,930	69,781	25,321	12,137	4,893	17,030
LOUISIANA STATE	L+	2,778,482	74,937	68,725	32,234	9,739	5,992	15,731
MCGILL	bLM+	2,824,083	66,040	59,724	22,552	12,569	5,170	17,739
MCMASTER	M+	1,699,850	48,493	45,231	23,456	10,233	3,681	13,914
MANITOBA	LM+	1,646,592	41,053	37,355	15,940	10,202	1,330	11,532
MARYLAND	+	2,398,413	92,173	84,274	33,127	16,162	2,513	18,675
MASSACHUSETTS	+	2,634,277	59,314	58,985	27,041	10,579	4,733	15,312
MIT	+	2,363,695	54,887	45,171	19,540	8,775	12,484	21,259
MIAMI	LM+	1,969,352	68,107	59,030	34,624	15,112	3,859	18,971
MICHIGAN	LM+	6,664,081	164,908	136,445	U/A	36,219	34,117	70,336
MICHIGAN STATE	+	3,904,095	119,892	58,805	35,907	13,608	14,399	28,007
MINNESOTA	bLM+	5,101,273	107,386	92,638	U/A	34,741	10,964	45,705
MISSOURI	LM+	2,683,566	58,064	53,147	20,201	12,186	10,556	22,742
NEBRASKA	L+	2,278,154	117,061	113,900	18,406	12,220	6,167	18,387
NEW MEXICO	bLM+	1,949,583	60,006	45,476	31,550	13,786	8,124	21,910
NEW YORK	LM+	3,335,176	81,938	61,468	46,472	27,673	1,446	29,119
NORTH CAROLINA	LM+	4,154,897	106,580	95,456	60,253	22,077	16,114	38,191
NORTH CAROLINA STATE	+	2,398,533	66,637	62,502	20,622	8,755	9,771	18,526
NORTHWESTERN	BLM+	3,709,164	79,513	66,374	U/A	U/A	U/A	38,626
NOTRE DAME	GL+	2,322,010	78,509	69,981	32,901	U/A	U/A	25,642
OHIO STATE	bLM+	4,786,385	110,791	93,304	50,053	24,131	8,681	32,812
OKLAHOMA	LM+	2,484,094	61,608	53,690	16,961	16,552	848	17,400
OKLAHOMA STATE	BM+	1,758,337	71,660	52,351	17,253	U/A	U/A	17,586
OREGON	L+	2,080,724	58,361	56,401	27,546	11,277	4,513	15,790
PENNSYLVANIA	LM+	4,209,745	117,843	110,197	48,861	U/A	U/A	33,384
PENNSYLVANIA STATE	B+	3,534,834	129,818	113,464	U/A	23,287	9,785	33,072
PITTSBURGH	LM+	3,201,394	86,298	78,596	U/A	U/A	U/A	23,380
PRINCETON	+	5,186,097	114,077	104,983	73,699	28,053	2,106	30,159
PURDUE	bG+	2,137,219	70,164	60,917	15,016	12,417	1,914	14,331
QUEEN'S	bGLM+	2,002,312	71,581	65,016	19,817	12,914	748	13,662
RICE	b+	1,831,554	48,349	36,952	30,004	9,134	5,682	14,816
ROCHESTER	M+	2,843,283	39,481	38,391	18,844	10,025	897	10,922
RUTGERS	BL+	3,419,767	84,645	33,121	35,543	U/A	U/A	31,874

+ - See Footnotes
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M- Includes Medical Library
G - Government Documents Not Included in Serials Count
B - Includes Branch Campuses
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U/A - Unavailable
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ARL LIBRARY DATA TABLES 1993-94

I. COLLECTIONS

Total Microform Units in Library (8)	Government Documents (9)	Computer Files (10)	Archives and Manus. (11)	Carto-graphic Materials (12)	Graphic Materials (13)	Audio-visual Materials (14)	Video and Film (15)	INSTITUTION
3,442,457	0	U/A	12,828	371,250	183,505	267,229	20,645	INDIANA
5,346,476	1,082,853	2,795	10,462	339,378	227,436	20,837	4,427	IOWA
2,679,719	0	641	10,734	126,905	629,886	13,519	31,617	IOWA STATE
2,562,936	0	2,616	10,539	206,828	43,526	22,273	2,067	JOHNS HOPKINS
2,707,658	647,343	1,163	14,355	306,346	2,696,508	24,974	10,831	KANSAS
1,097,082	137	623	8,050	235,079	29,667	35,097	16,190	KENT STATE
5,239,342	1,160,314	1,301	22,183	227,769	587,365	28,413	34,902	KENTUCKY
1,112,729	9,880	204	0	113,190	200,963	13,708	11,019	LAVAL
1,891,221	96,624	170	5,288	U/A	U/A	27,761	3,738	LOUISIANA STATE
1,298,576	824,989	949	3,002	227,346	156,586	26,632	3,080	MCGILL
1,374,621	0	464	9,997	132,734	6,550	30,542	2,236	MCMASTER
1,227,341	494,543	1,980	2,094	91,788	145,811	17,250	2,075	MANITOBA
4,939,215	730,303	716	22,325	205,078	691,594	123,827	14,497	MARYLAND
2,062,096	0	600	9,356	126,815	90,769	12,997	1,950	MASSACHUSETTS
2,041,520	0	2,682	8,421	111,610	407,177	18,870	2,189	MIT
2,953,339	471,529	1,307	5,086	99,925	52,592	16,113	1,654	MIAMI
5,097,050	0	1,179	28,164	294,886	1,614,800	29,974	19,741	MICHIGAN
4,883,791	0	3,291	26,980	205,528	1,817	35,540	3,471	MICHIGAN STATE
4,910,404	2,935,222	2,669	38,112	382,443	U/A	U/A	U/A	MINNESOTA
5,334,134	1,704,804	969	3,646	U/A	500	14,982	1,206	MISSOURI
3,829,707	536,339	167	4,342	143,871	3,128	21,100	743	NEBRASKA
5,669,956	283,030	2,195	15,848	199,744	1,160,619	33,669	3,799	NEW MEXICO
3,417,044	386,556	250	10,897	U/A	449,280	44,490	6,039	NEW YORK
3,727,604	1,856,980	1,922	18,780	288,667	500,633	101,402	11,871	NORTH CAROLINA
3,092,559	0	1,055	2,765	92,018	87,594	2,270	4,736	NORTH CAROLINA STATE
2,898,653	2,410	899	15,378	219,123	286,565	45,562	9,182	NORTHWESTERN
2,427,039	171,666	124	304	70,221	U/A	10,991	2,127	NOTRE DAME
3,822,981	130,860	897	18,106	165,181	1,520,990	43,640	2,768	OHIO STATE
3,394,894	1,338,171	490	9,759	140,172	157,632	2,010	3,513	OKLAHOMA
2,974,858	780	2,936	5,138	250,561	160,351	7,827	9,769	OKLAHOMA STATE
1,888,835	468,072	141	57,802	815,804	983,933	49,262	5,425	OREGON
2,824,013	U/A	196	9,090	117,551	507,636	42,510	596	PENNSYLVANIA
3,166,502	0	741	16,970	347,720	415,000	35,733	10,258	PENNSYLVANIA STATE
3,134,543	155	1,655	15,269	97,078	657,601	34,406	10,317	PITTSBURGH
3,436,709	0	887	35,476	389,095	60,437	56,093	U/A	PRINCETON
2,136,218	475,800	1,388	1,501	341,069	2,213	6,389	7,659	PURDUE
3,226,144	981,192	U/A	U/A	143,042	20,980	U/A	U/A	QUEEN'S
2,201,349	319,698	2,136	4,264	24,944	26,726	23,738	2,309	RICE
4,020,435	526,995	2,855	15,452	1,909	7,500	62,173	639	ROCHESTER
4,838,443	2,606,410	3,380	18,689	U/A	U/A	U/A	U/A	RUTGERS

U/A - Unavailable N/A - Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

I. COLLECTIONS

INSTITUTION	Notes	Volumes in Library (1)	Volumes Added (Gross) (2)	Volumes Added (Net) (3)	Mono-graphs Purchased (4)	Current Serials Purchased (5)	Current Serials Not Purchased (6)	Current Serials Total (7)
SASKATCHEWAN	LM+	1,894,201	65,113	44,660	18,435	8,798	5,114	13,912
SOUTH CAROLINA	**LM+**	**2,839,171**	**68,888**	**62,860**	**28,852**	**U/A**	**U/A**	**17,405**
SOUTHERN CALIFORNIA	**bBLM+**	**3,232,617**	**74,370**	**63,648**	**63,179**	**U/A**	**U/A**	**26,954**
SOUTHERN ILLINOIS	GL+	2,280,457	61,150	33,604	18,771	17,071	915	17,986
STANFORD	GLM+	6,409,239	163,395	158,568	U/A	U/A	U/A	47,320
SUNY-ALBANY	**B+**	**1,782,451**	**48,725**	**33,754**	**18,974**	**U/A**	**U/A**	**15,972**
SUNY-BUFFALO	**GLM+**	**2,864,268**	**87,298**	**67,123**	**25,875**	**17,189**	**5,168**	**22,357**
SUNY-STONY BROOK	M+	1,891,079	43,544	42,461	23,272	8,089	5,899	13,988
SYRACUSE	GL+	2,780,040	59,124	41,555	16,640	U/A	U/A	15,650
TEMPLE	**BLM+**	**2,223,152**	**46,692**	**33,726**	**23,205**	**11,189**	**4,234**	**15,423**
TENNESSEE	**L+**	**2,072,361**	**57,608**	**50,458**	**33,379**	**15,942**	**3,491**	**19,433**
TEXAS	L+	7,019,508	189,587	183,525	80,323	27,512	23,659	51,171
TEXAS A&M	bBGM+	2,226,104	73,979	71,504	22,733	13,639	6,043	19,682
TORONTO	**LM+**	**6,563,330**	**180,432**	**154,806**	**111,811**	**31,511**	**8,759**	**40,270**
TULANE	**GLM+**	**2,001,142**	**65,480**	**57,284**	**29,016**	**13,576**	**1,536**	**15,112**
UTAH	LM+	2,425,501	81,831	80,390	U/A	14,584	1,504	16,088
VANDERBILT	GLM+	2,143,264	64,555	57,612	U/A	14,840	1,169	16,009
VIRGINIA	**LM+**	**4,059,252**	**121,443**	**110,748**	**60,009**	**22,440**	**24,476**	**46,916**
VPI & SU	**+**	**1,887,734**	**42,341**	**37,740**	**27,021**	**17,510**	**2,870**	**20,380**
WASHINGTON	LM+	5,355,140	140,897	106,793	31,546	U/A	U/A	56,535
WASHINGTON STATE	+	1,757,256	41,148	39,492	26,412	U/A	U/A	24,356
WASHINGTON U.-ST. LOUIS	**GLM+**	**3,045,378**	**72,289**	**65,315**	**22,354**	**17,369**	**1,221**	**18,590**
WATERLOO	**+**	**1,722,508**	**30,322**	**6,006**	**20,612**	**15,075**	**1,009**	**16,084**
WAYNE STATE	bLM+	2,833,977	82,887	81,810	33,924	16,331	8,243	24,574
WESTERN ONTARIO	LM+	2,141,703	66,524	37,402	32,165	12,935	4,667	17,602
WISCONSIN	**LM+**	**5,535,592**	**124,420**	**112,036**	**72,940**	**35,315**	**10,815**	**46,130**
YALE	**bLM+**	**9,485,823**	**167,405**	**158,604**	**112,214**	**U/A**	**U/A**	**52,971**
YORK	BL+	2,063,777	67,084	52,526	U/A	U/A	U/A	19,174
BOSTON PUBLIC LIBRARY	**G+**	**6,529,998**	**241,848**	**210,792**	**124,024**	**U/A**	**U/A**	**18,046**
CANADA INST. FOR SCITECH	**bB+**	**603,652**	**U/A**	**U/A**	**U/A**	**16,660**	**3,000**	**19,660**
CENTER FOR RESEARCH LIBS	bG+	3,069,887	24,166	244,862	3,942	U/A	U/A	14,523
LIBRARY OF CONGRESS	L+	23,041,334	806,929	393,116	188,197	18,103	150,000	168,103
LINDA HALL LIBRARY	**G+**	**701,261**	**11,674**	**11,612**	**4,837**	**9,819**	**1,699**	**11,518**
NATL. AGRICULTURAL LIB.	**b+**	**2,175,942**	**30,800**	**30,760**	**6,904**	**6,855**	**15,000**	**21,855**
NATL. LIBRARY OF CANADA	+	1,808,977	72,708	71,893	10,000	4,432	52,874	57,306
NATL. LIBRARY OF MEDICINE	M+	2,090,315	34,420	13,613	15,292	23,685	4,216	27,901
NEW YORK PUBLIC LIBRARY	**G+**	**7,006,050**	**121,354**	**119,240**	**77,084**	**U/A**	**U/A**	**162,279**
NEW YORK STATE LIBRARY	**LM+**	**2,281,725**	**28,133**	**28,108**	**9,059**	**7,788**	**10,383**	**18,171**
SMITHSONIAN INSTITUTION	BG+	1,169,016	13,963	11,405	8,182	4,006	3,101	7,107

+ - See Footnotes
L - Includes Law Library
M- Includes Medical Library
G - Government Documents Not Included in Serials Count
B - Includes Branch Campuses
b - Bibliographic Count
U/A - Unavailable
N/A - Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

I. COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus	Cartographic Materials	Graphic Materials	Audio-visual Materials	Video and Film	
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	INSTITUTION
2,676,501	293,609	983	237	67,218	59,827	9,624	1,150	SASKATCHEWAN
4,075,413	741,789	219	6,136	305,364	250,000	22,335	7,532	SOUTH CAROLINA
4,090,605	485,210	1,799	33,984	U/A	3,143,249	24,067	3,561	SOUTHERN CALIFORNIA
3,668,428	367,610	1,715	16,298	285,104	18,382	23,782	8,381	SOUTHERN ILLINOIS
4,263,916	35,696	4,700	55,749	224,607	612,468	228,693	16,913	STANFORD
2,717,879	0	3,368	5,108	46,469	36,566	4,495	1,618	SUNY-ALBANY
4,403,522	530,000	829	7,400	188,000	10,000	34,800	3,500	SUNY-BUFFALO
3,296,892	138,580	607	4,688	111,383	162	25,687	3,849	SUNY-STONY BROOK
3,273,792	276,802	1,199	47,263	178,802	360,449	340,984	8,114	SYRACUSE
2,361,818	188,167	1,088	30,294	112,827	10,002,030	20,729	1,513	TEMPLE
3,067,215	739,907	177	7,282	350,000	140,177	26,247	5,805	TENNESSEE
5,062,330	0	1,866	76,299	332,971	6,665,054	95,679	11,664	TEXAS
4,402,983	65,519	2,888	14,642	135,752	5,308	4,662	7,151	TEXAS A&M
3,275,052	U/A	817	U/A	260,313	313,445	157,174	7,442	TORONTO
2,346,152	952,348	861	35,395	5,410	160,383	78,958	1,730	TULANE
3,212,250	739,735	1,133	15,718	174,908	556,802	35,342	13,081	UTAH
2,270,969	318,242	1,981	6,027	102,535	13,269	21,357	3,262	VANDERBILT
4,224,549	794,333	2,358	17,647	139,298	428,442	45,790	15,654	VIRGINIA
5,753,876	377,674	1,262	4,700	126,316	64,000	7,653	6,452	VPI & SU
6,070,069	U/A	4,385	49,556	266,771	829,107	62,812	7,675	WASHINGTON
2,959,044	U/A	U/A	13,360	693	267,656	6,763	19,223	WASHINGTON STATE
2,576,767	0	1,406	7,586	104,402	2,733	31,636	4,439	WASHINGTON U.-ST. LOUIS
1,210,506	0	U/A	2,481	129,875	U/A	4,491	U/A	WATERLOO
3,346,213	365,988	987	64,686	52,494	1,080,360	33,163	13,857	WAYNE STATE
3,013,499	0	663	9,605	2,049	51,925	39,114	2,115	WESTERN ONTARIO
4,139,554	281,967	4,092	3,054	213,036	29,384	132,865	10,911	WISCONSIN
4,671,945	1,016,907	U/A	49,994	432,061	2,199,851	175,916	3,023	YALE
3,143,583	0	47	7,346	100,360	12,819	38,075	5,473	YORK
5,337,331	1,473,465	452	N/A	N/A	N/A	43,323	19,099	BOSTON PUBLIC LIBRARY
U/A	U/A	U/A	U/A	U/A	U/A	U/A	U/A	CANADA INST. FOR SCITECH.
1,469,176	0	0	0	0	0	0	0	CENTER FOR RESEARCH LIBS
10,315,270	0	2,141	50,000	4,345,837	15,318,923	2,198,467	1,026,935	LIBRARY OF CONGRESS
1,180,560	U/A	144	0	73,850	0	20	6	LINDA HALL LIBRARY
20,658	0	124	8	289	372	36	496	NATL. AGRICULTURAL LIB.
5,105,373	2,860,198	45	6,450	U/A	U/A	158,508	1,356	NATL. LIBRARY OF CANADA
356,322	0	U/A	1,465	0	56,601	U/A	57,226	NATL. LIBRARY OF MEDICINE
4,309,509	7,176	U/A	27,689	407,125	3,967,426	530,477	36,977	NEW YORK PUBLIC LIBRARY
5,802,039	0	838	23,000	200,000	53,500	U/A	U/A	NEW YORK STATE LIBRARY
U/A	U/A	33	U/A	U/A	U/A	U/A	U/A	SMITHSONIAN INSTITUTION

U/A - Unavailable N/A - Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

SUMMARY DATA: COLLECTIONS

Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total
			UNIVERSITY MEDIAN			
2,483,008	71,743	62,681	27,293	15,072	5,220	21,043
			UNIVERSITY HIGH			
12,877,360	262,113	222,557	146,754	41,288	34,117	96,291
			UNIVERSITY LOW			
1,553,346	30,322	-33,121	10,057	5,698	729	10,884
			TOTALS - UNIVERSITY LIBRARIES			
346,392,823	9,078,199	7,820,949	3,168,993	1,323,515	578,142	3,011,093
			NUMBER OF UNIVERSITY LIBRARIES RESPONDING			
108	108	108	90	81	81	108
			TOTALS - NONUNIVERSITY LIBRARIES			
50,478,157	975,995	645,677	447,521	91,348	240,273	526,469
			NUMBER OF NONUNIVERSITY LIBRARIES RESPONDING			
11	10	10	10	8	8	11
			GRAND TOTALS - ALL ARL LIBRARIES			
396,870,980	10,054,194	8,466,626	3,616,514	1,414,863	818,415	3,537,562

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ARL LIBRARY DATA TABLES 1993-94

SUMMARY DATA: COLLECTIONS

Total Microform Units in Library	Government Documents	Computer Files	Archives and Manus	Carto-graphic Materials	Graphic Materials	Audio-visual Materials	Video and Film
			UNIVERSITY MEDIAN				
3,305,971	320,871	1,183	10,320	171,831	157,109	28,087	5,152
			UNIVERSITY HIGH				
7,244,390	2,935,222	12,936	208,203	3,509,257	10,002,030	340,984	110,258
			UNIVERSITY LOW				
1,097,082	0	47	0	78	162	343	30
			TOTALS - UNIVERSITY LIBRARIES				
376,757,796	44,069,343	164,561	1,874,125	24,815,175	55,191,019	4,558,168	788,624
			NUMBER OF UNIVERSITY LIBRARIES RESPONDING				
108	98	100	104	102	98	102	100
			TOTALS - NONUNIVERSITY LIBRARIES				
33,896,238	4,340,839	3,777	108,612	5,027,101	19,396,822	2,930,831	1,142,095
			NUMBER OF NONUNIVERSITY LIBRARIES RESPONDING				
9	8	8	8	7	7	7	8
			GRAND TOTALS - ALL ARL LIBRARIES				
410,654,034	48,410,182	168,338	1,982,737	29,842,276	74,587,841	7,488,999	1,930,719

ARL LIBRARY DATA TABLES 1993-94

II. EXPENDITURES

INSTITUTION	Notes	Monographs (1)	Current Serials (2)	Other Library Materials (3)	Misc Materials Expend (4)	Total Library Materials (5)	Contract Binding (6)
ALABAMA	LM+	$841,889	$2,421,473	$26,516	$27,500	$3,317,378	$135,997
ALBERTA	BLM+	1,439,077	3,377,588	U/A	99,550	4,916,215	135,679
ARIZONA	LM+	2,261,265	3,092,117	513,095	440,393	6,306,870	260,519
ARIZONA STATE	B L +	2,461,989	3,104,102	703,985	393,593	6,663,669	189,160
AUBURN	+	1,254,433	2,416,615	115,423	14,610	3,801,081	126,588
BOSTON	LM+	924,590	2,630,382	279,136	7,415	3,841,523	176,883
BRIGHAM YOUNG	+	1,670,743	2,409,544	446,835	0	4,527,122	169,411
BRITISH COLUMBIA	LM+	2,497,934	3,687,371	U/A	0	6,185,305	187,715
BROWN	+	1,543,031	2,243,956	U/A	0	3,786,987	213,101
CALIFORNIA, BERKELEY	L +	5,062,957	5,406,538	U/A	U/A	10469495	873,446
CALIFORNIA, DAVIS	LM+	1,235,988	2,871,475	192,335	388,260	4,688,058	338,494
CALIFORNIA, IRVINE	M+	1,186,679	2,439,756	179,264	200,000	4,005,699	193,404
CALIFORNIA, LOS ANGELES	LM+	3,912,314	4,295,236	748,329	0	8,955,879	541,475
CALIFORNIA, RIVERSIDE	+	1,109,567	1,538,472	149,551	10,256	2,807,846	157,009
CALIFORNIA, SAN DIEGO	M+	1,490,267	2,994,748	244,840	15,682	4,745,537	246,060
CALIFORNIA, SANTA BARBARA	+	1,126,379	2,219,417	U/A	U/A	3,345,796	226,392
CASE WESTERN RESERVE	LM+	674,268	2,892,898	221,182	6,154	3,794,502	122,793
CHICAGO	LM+	2,590,177	3,561,579	48,965	0	6,200,721	443,952
CINCINNATI	LM+	1,255,331	3,447,242	151,197	190,170	5,043,940	147,873
COLORADO	L +	1,937,502	3,560,773	535,517	368,536	6,402,328	184,361
COLORADO STATE	+	1,091,191	1,976,492	26,906	396,492	3,491,081	145,000
COLUMBIA	LM+	3,619,936	4,978,605	U/A	113,179	8,711,720	643,119
CONNECTICUT	BLM+	1,089,126	2,970,700	498,666	57,756	4,616,248	258,134
CORNELL	B L +	3,390,144	4,259,412	876,282	166,840	8,692,678	218,366
DARTMOUTH	M+	1,238,917	2,440,480	249,210	0	3,928,607	162,531
DELAWARE	+	2,040,325	2,287,086	U/A	U/A	4,327,411	143,954
DUKE	LM+	2,510,929	3,988,579	237,767	609,476	7,346,751	239,704
EMORY	B LM+	2,208,274	2,932,091	906,001	378,915	6,425,281	148,029
FLORIDA	LM+	1,197,924	3,417,620	769,159	287,091	5,671,794	197,823
FLORIDA STATE	BL +	1,026,778	2,942,211	67,196	64,925	4,101,110	216,259
GEORGETOWN	LM+	1,393,046	3,096,202	516,764	66,403	5,072,415	205,127
GEORGIA	L +	1,747,236	3,383,746	605,503	96,403	5,832,888	297,644
GEORGIA TECH	+	769,965	1,941,028	135,188	0	2,846,181	78,598
GUELPH	+	709,406	1,659,357	U/A	14,409	2,383,172	93,323
HARVARD	LM+	6,019,665	6,098,550	2,243,429	16,423	14378067	993,867
HAWAII	+	1,877,820	2,319,664	221,043	0	4,418,527	239,984
HOUSTON	L +	1,237,894	2,378,036	330,475	196,928	4,143,333	95,354
HOWARD	LM	309,930	3,165,331	42,909	78,569	3,796,739	131,798
ILLINOIS, CHICAGO	M+	942,724	2,970,849	248,669	0	4,162,242	137,180
ILLINOIS, URBANA	L +	2,974,385	4,063,472	242,858	232,896	7,513,611	237,257

+ - See Footnotes
L - Includes Law Library
M- Includes Medical Library
B - Includes Branch Campuses
U/A - Unavailable
N/A - Not Applicable

ARL LIBRARY DATA TABLES 1993-94

II. EXPENDITURES

Salaries & Wages Professional Staff	Salaries & Wages Support Staff	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	
(9)	(10)	(11)	(100)	(101)	(12)	INSTITUTION
$1,950,057	$1,307,728	$541,694	$3,809,479	$1,642,327	$8,905,081	ALABAMA
3,113,536	5,463,194	541,939	9,118,669	1,255,159	15,425,722	ALBERTA
3,321,879	3,057,946	892,041	7,271,866	2,658,388	16,497,643	ARIZONA
3,814,342	3,538,831	760,551	8,113,724	2,058,787	17,025,340	ARIZONA STATE
1,947,210	1,436,831	357,215	4,741,256	1,241,745	8,910,670	AUBURN
2,065,383	2,957,406	342,389	5,365,178	1,670,777	11,054,361	BOSTON
3,448,627	991,758	1,436,187	5,876,572	1,848,304	12,421,409	BRIGHAM YOUNG
4,886,746	3,763,988	1,086,733	11,177,478	1,972,728	19,523,225	BRITISH COLUMBIA
1,052,614	2,320,242	173,636	3,746,492	2,818,950	12,565,530	BROWN
U/A	U/A	U/A	19,407,482	4,528,155	35,278,578	CALIFORNIA, BERKELEY
2,483,234	4,141,602	967,877	7,592,713	1,168,680	13,787,945	CALIFORNIA, DAVIS
2,848,630	2,869,310	849,506	6,567,455	1,768,166	12,534,724	CALIFORNIA, IRVINE
5,541,485	6,936,177	2,742,783	15,210,445	4,968,768	29,676,567	CALIFORNIA, LOS ANGELES
1,470,681	1,851,276	427,927	3,749,884	589,819	7,304,558	CALIFORNIA, RIVERSIDE
3,382,438	3,719,306	1,064,721	8,166,465	1,919,883	15,077,945	CALIFORNIA, SAN DIEGO
1,953,585	2,864,398	770,446	5,588,429	2,011,340	11,171,957	CALIFORNIA, SANTA BARBARA
2,289,736	1,519,504	297,958	4,107,198	828,257	8,852,750	CASE WESTERN RESERVE
3,005,347	4,661,930	1,114,089	8,781,366	2,449,505	17,875,544	CHICAGO
2,331,247	2,975,024	601,152	5,907,423	1,668,112	12,767,348	CINCINNATI
2,158,749	2,956,103	726,414	5,841,266	778,651	13,206,606	COLORADO
1,373,453	1,634,543	493,588	3,501,584	693,304	7,831,059	COLORADO STATE
7,212,011	6,275,318	1,281,044	14,768,373	3,792,367	27,915,579	COLUMBIA
3,553,742	3,565,280	775,172	7,894,194	1,861,481	14,630,057	CONNECTICUT
6,735,400	5,451,332	916,339	13,103,071	4,465,948	26,480,063	CORNELL
2,258,364	2,299,011	355,368	4,912,743	1,576,415	10,580,296	DARTMOUTH
1,987,840	2,268,856	473,774	4,730,470	838,844	10,040,679	DELAWARE
4,387,276	3,797,883	433,817	8,618,976	4,723,551	20,928,982	DUKE
2,944,501	2,837,358	513,487	6,295,346	5,822,054	18,680,710	EMORY
3,935,747	3,832,505	784,274	8,552,526	1,357,437	15,770,580	FLORIDA
1,715,892	1,735,264	496,720	3,947,876	640,895	8,906,140	FLORIDA STATE
U/A	U/A	U/A	7,255,923	2,397,477	14,930,942	GEORGETOWN
2,527,644	3,005,428	700,637	6,533,709	1,791,159	14,455,400	GEORGIA
1,494,043	903,725	75,429	2,473,197	886,980	6,284,966	GEORGIA TECH
1,185,348	2,598,892	83,151	3,867,390	322,891	6,666,777	GUELPH
17,773,206	13,943,401	1,219,571	32,936,178	15,614,938	63,923,030	HARVARD
3,483,270	2,215,155	986,344	6,684,769	561,242	11,904,522	HAWAII
1,796,369	1,304,786	731,217	3,832,372	1,854,624	9,925,683	HOUSTON
2,055,920	2,015,653	209,323	4,280,896	535,432	8,744,865	HOWARD
2,742,672	3,216,025	404,194	6,362,891	1,770,369	12,432,682	ILLINOIS, CHICAGO
5,143,359	4,484,770	1,075,399	10,703,528	3,080,243	21,534,639	ILLINOIS, URBANA

U/A - Unavailable N/A - Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

II. EXPENDITURES

INSTITUTION	Notes	Monographs (1)	Current Serials (2)	Other Library Materials (3)	Misc Materials Expend (4)	Total Library Materials (5)	Contract Binding (6)
INDIANA	L +	$2,783,236	$3,569,969	$1,051,072	$302,933	$7,707,210	$272,652
IOWA	LM+	1,721,507	3,071,462	186,325	122,957	5,102,249	238,079
IOWA STATE	+	1,249,255	2,720,353	240,203	133,696	4,343,507	91,682
JOHNS HOPKINS	M+	1,602,086	3,129,769	1,835,580	124,238	6,691,673	134,464
KANSAS	B LM+	2,003,322	2,999,669	212,781	34,926	5,250,698	207,105
KENT STATE	B +	770,473	1,698,642	135,116	35,988	2,640,219	91,966
KENTUCKY	LM+	661,217	2,812,258	334,536	330,884	4,138,895	126,706
LAVAL	LM+	978,054	2,853,521	31,792	37,688	3,901,055	81,654
LOUISIANA STATE	L +	924,635	2,027,677	26,350	0	2,978,662	204,042
MCGILL	LM+	1,129,545	2,608,128	202,125	190,382	4,130,179	191,201
MCMASTER	M+	964,100	2,485,419	11,189	22,254	3,482,962	91,363
MANITOBA	LM+	656,236	2,041,649	U/A	53,690	2,751,575	131,989
MARYLAND	+	2,306,688	1,919,572	232,482	36,792	4,495,534	177,531
MASSACHUSETTS	+	973,787	2,191,008	182,220	0	3,327,015	116,103
MIT	+	897,948	2,429,923	U/A	389,895	3,717,766	180,903
MIAMI	LM+	1,311,667	3,238,842	350,585	106,285	5,007,379	146,552
MICHIGAN	LM+	4,061,659	6,020,384	204,044	378,023	10664110	315,956
MICHIGAN STATE	+	1,605,927	2,988,700	U/A	84,644	4,679,271	256,349
MINNESOTA	LM+	2,246,867	5,146,963	497,855	173,429	8,065,114	179,962
MISSOURI	LM+	1,195,843	2,418,517	36,354	117,057	3,767,771	123,813
NEBRASKA	L +	839,871	2,872,015	138,118	75,851	3,925,855	164,350
NEW MEXICO	LM+	863,209	2,870,546	267,026	314,558	4,315,339	108,707
NEW YORK	LM+	2,410,832	3,817,169	407,437	214,100	6,849,538	434,432
NORTH CAROLINA	LM+	2,332,491	3,857,998	1,205,444	50,562	7,446,495	211,919
NORTH CAROLINA STATE	+	1,430,023	2,288,264	719,740	177,906	4,615,933	121,546
NORTHWESTERN	B LM+	1,613,856	3,334,240	357,217	215,578	5,520,891	198,991
NOTRE DAME	L +	1,484,455	2,212,213	120,214	467,543	4,284,425	121,757
OHIO STATE	LM+	1,952,213	4,570,103	34,880	69,282	6,626,478	268,130
OKLAHOMA	LM+	778,828	2,719,542	126,002	144,883	3,769,255	93,533
OKLAHOMA STATE	BM+	670,581	1,882,152	168,329	8,073	2,729,135	81,048
OREGON	L +	1,159,307	2,558,342	U/A	795,003	4,512,652	143,638
PENNSYLVANIA	LM+	2,279,486	3,851,529	772,911	0	6,903,926	301,746
PENNSYLVANIA STATE	B +	2,650,708	4,586,017	479,016	0	7,715,741	476,333
PITTSBURGH	LM+	2,307,412	3,803,668	534,672	0	6,745,752	340,297
PRINCETON	+	3,394,635	2,993,898	967,356	331,723	7,687,612	130,744
PURDUE	+	767,438	3,230,985	U/A	0	3,998,423	134,366
QUEEN'S	LM+	1,052,406	2,305,934	22,547	0	3,380,886	138,011
RICE	+	1,399,556	2,185,514	197,635	159,930	3,942,635	35,373
ROCHESTER	M+	998,674	2,745,466	43,073	205,686	3,992,899	136,771
RUTGERS	B L +	1,700,714	4,336,901	496,611	301,025	6,835,251	315,896

+ – See Footnotes
L – Includes Law Library
M– Includes Medical Library
B – Includes Branch Campuses
U/A – Unavailable
N/A – Not Applicable

ARL LIBRARY DATA TABLES 1993-94

II. EXPENDITURES

Salaries & Wages Professional Staff (7)	Salaries & Wages Support Staff (8)	Salaries & Wages Student Assistants (9)	Total Salaries & Wages (10)	Other Operating Expenditures (11)	Total Library Expenditures (12)	INSTITUTION
$5,304,592	$3,809,254	$1,671,992	$10,785,838	$2,867,783	$21,633,483	INDIANA
3,718,796	2,370,482	960,244	9,249,522	1,983,755	15,094,605	IOWA
2,017,131	2,717,788	532,010	5,266,929	1,465,141	11,174,259	IOWA STATE
3,118,798	3,950,887	448,946	7,518,631	3,466,127	17,810,895	JOHNS HOPKINS
2,913,604	2,536,130	871,021	6,320,755	1,918,143	13,696,701	KANSAS
1,943,003	2,360,125	559,705	4,862,833	1,051,151	8,646,169	KENT STATE
2,889,859	1,875,205	1,184,976	5,950,040	935,189	11,150,830	KENTUCKY
3,074,115	4,109,603	131,519	7,315,237	633,986	11,931,933	LAVAL
1,752,661	2,144,723	568,408	4,465,790	1,276,148	8,921,642	LOUISIANA STATE
3,491,294	4,313,093	356,313	8,160,700	1,222,639	13,704,719	MCGILL
1,542,865	3,045,142	224,614	4,812,621	497,685	8,884,630	MCMASTER
2,191,082	2,930,055	507,019	5,628,156	766,198	9,277,830	MANITOBA
3,538,436	3,033,764	1,145,476	7,717,676	2,082,712	14,473,453	MARYLAND
2,484,808	2,491,259	516,505	5,492,572	1,333,236	10,316,926	MASSACHUSETTS
2,986,828	2,777,642	307,954	6,072,424	1,689,515	11,660,608	MIT
2,854,565	2,242,931	435,430	5,532,926	2,418,865	13,105,722	MIAMI
8,553,578	3,196,242	1,674,071	13,423,891	5,848,345	30,252,302	MICHIGAN
2,539,093	3,160,827	1,171,164	6,871,084	1,271,348	13,078,052	MICHIGAN STATE
4,451,076	5,191,345	2,240,970	11,883,391	3,401,297	23,869,764	MINNESOTA
1,892,518	2,069,815	482,146	4,444,479	1,368,901	9,704,964	MISSOURI
1,894,871	1,968,989	475,189	4,339,049	1,015,920	9,445,174	NEBRASKA
2,797,350	3,283,787	1,151,780	7,232,917	2,736,219	14,453,182	NEW MEXICO
5,571,614	4,796,276	1,520,922	11,888,812	4,676,003	23,848,785	NEW YORK
4,970,464	4,346,824	688,886	10,006,174	3,079,722	20,744,310	NORTH CAROLINA
2,043,789	2,354,843	544,355	4,942,987	2,305,740	11,986,206	NORTH CAROLINA STATE
4,139,025	2,959,803	1,027,684	8,126,512	2,273,290	16,119,684	NORTHWESTERN
1,906,279	2,412,983	319,868	4,639,130	941,908	9,994,220	NOTRE DAME
4,344,804	3,780,811	1,177,970	9,303,585	2,719,484	18,917,677	OHIO STATE
1,766,975	1,183,165	558,596	3,508,736	1,423,882	8,795,406	OKLAHOMA
1,661,567	907,994	419,226	2,988,787	2,286,189	8,085,159	OKLAHOMA STATE
1,875,432	1,953,299	737,734	4,566,465	1,131,407	10,354,162	OREGON
4,640,239	4,793,121	766,873	10,200,233	3,249,601	20,655,506	PENNSYLVANIA
3,914,569	7,716,215	791,625	12,422,409	2,417,297	23,031,780	PENNSYLVANIA STATE
3,388,858	3,489,480	810,393	7,688,731	2,376,855	17,151,635	PITTSBURGH
5,576,695	5,431,819	547,722	11,556,236	3,135,265	22,859,857	PRINCETON
2,246,980	2,259,780	563,511	5,070,271	1,211,615	10,414,675	PURDUE
1,633,278	3,268,129	196,723	5,098,130	444,395	9,061,422	QUEEN'S
1,929,702	1,652,484	239,744	3,821,930	1,200,859	9,050,797	RICE
2,221,253	1,657,870	344,293	4,223,416	1,682,625	10,055,711	ROCHESTER
5,786,674	6,929,382	1,290,821	14,006,877	1,515,530	22,673,554	RUTGERS

U/A - Unavailable N/A - Not Applicable

BEST COPY AVAILABLE

ARL LIBRARY DATA TABLES 1993-94

II. EXPENDITURES

INSTITUTION	Notes	Monographs (1)	Current Serials (2)	Other Library Materials (3)	Misc. Materials Expend. (4)	Total Library Materials (5)	Contract Binding (6)
SASKATCHEWAN	LM+	$745,842	$2,533,367	U/A	$6,375	$3,285,584	$49,667
SOUTH CAROLINA	LM+	1,235,154	2,298,630	198,560	63,231	3,795,575	151,062
SOUTHERN CALIFORNIA	BLM+	2,167,240	3,707,884	316,875	0	6,191,999	215,352
SOUTHERN ILLINOIS	L +	831,428	2,360,408	140,429	357,625	3,689,890	172,000
STANFORD	LM+	5,586,391	5,480,133	U/A	U/A	11066524	487,823
SUNY-ALBANY	B +	724,968	1,882,904	210,960	367,938	3,186,770	89,604
SUNY-BUFFALO	LM+	1,142,398	2,840,661	349,633	239,584	4,572,276	160,496
SUNY-STONY BROOK	M+	882,376	2,426,521	210,823	375,737	3,895,457	19,996
SYRACUSE	L +	760,353	2,360,486	125,321	40,865	3,287,025	85,262
TEMPLE	BLM+	1,061,370	2,716,264	82,009	4,334	3,863,977	153,674
TENNESSEE	L +	1,164,958	2,766,415	113,041	40,815	4,085,229	161,082
TEXAS	L +	2,078,433	3,677,907	648,499	24,520	6,429,359	204,849
TEXAS A&M	BM+	1,309,807	3,159,915	123,698	138,296	4,731,716	119,976
TORONTO	LM+	4,391,584	4,725,506	U/A	U/A	9,117,090	278,789
TULANE	LM+	1,222,580	2,245,563	98,180	292,252	3,858,575	154,529
UTAH	LM+	1,521,750	3,147,282	U/A	U/A	4,669,032	265,749
VANDERBILT	LM+	1,373,530	2,966,156	242,443	0	4,582,129	153,609
VIRGINIA	LM+	2,109,010	3,594,076	764,201	0	6,467,287	279,028
VPI & SU	+	1,169,036	2,886,055	479,574	305,450	4,840,115	178,187
WASHINGTON	LM+	1,932,813	5,030,100	U/A	95,337	7,058,250	238,107
WASHINGTON STATE	+	652,267	2,433,573	32,878	27,577	3,146,295	95,366
WASHINGTON U.-ST. LOUIS	LM+	1,134,191	3,675,124	252,207	827,782	5,939,304	150,093
WATERLOO	+	1,205,543	2,166,442	U/A	0	3,371,985	78,891
WAYNE STATE	LM+	2,116,788	2,615,687	U/A	207,938	4,940,413	125,041
WESTERN ONTARIO	LM+	975,533	3,054,113	U/A	0	4,029,646	145,611
WISCONSIN	LM+	2,419,644	4,086,815	740,250	0	7,246,709	249,903
YALE	LM+	3,513,000	4,804,000	2,950,000	193,000	11460000	351,000
YORK	BL +	1,494,459	2,093,179	23,202	54,302	3,665,142	143,295
BOSTON PUBLIC LIBRARY	+	3,345,648	847,274	319,391	0	6,512,313	57,810
CANADA INST. FOR SCITECH	B +	U/A	U/A	U/A	U/A	6,725,955	U/A
CENTER FOR RESEARCH LIBS	+	44,860	272,654	539,928	54,313	911,755	0
LIBRARY OF CONGRESS	L +	3,288,862	2,534,457	2,011,945	251,284	8,086,548	1,338,059
LINDA HALL LIBRARY	+	133,000	1,565,000	U/A	0	1,698,000	78,500
NATL. AGRICULTURAL LIB.	+	271,674	1,530,139	U/A	U/A	1,801,813	93,790
NATL. LIBRARY OF CANADA	+	549,447	586,383	691,906	32,081	1,859,817	33,679
NATL. LIBRARY OF MEDICINE	M+	968,000	3,149,000	182,000	0	4,299,000	160,000
NEW YORK PUBLIC LIBRARY	+	4,106,288	3,799,054	1,250,504	36,508	9,192,354	476,349
NEW YORK STATE LIBRARY	LM+	608,131	1,927,050	U/A	0	2,535,181	34,952
SMITHSONIAN INSTITUTION	B+	408,626	777,863	18,000	190,038	1,394,527	83,000

+ = See Footnotes
L = Includes Law Library
M= Includes Medical Library
B = Includes Branch Campuses
U/A = Unavailable
N/A = Not Applicable

ARL LIBRARY DATA TABLES 1993-94

II. EXPENDITURES

Salaries & Wages Professional Staff	Salaries & Wages Support Staff	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	
(7)	(8)	(9)	(10)	(11)	(12)	INSTITUTION
$1,434,170	$2,432,766	$142,120	$4,009,056	$444,975	$7,789,282	SASKATCHEWAN
2,587,921	1,958,965	461,359	5,008,245	1,594,115	10,548,997	SOUTH CAROLINA
4,700,491	3,340,041	1,002,010	9,042,542	2,330,287	17,780,180	SOUTHERN CALIFORNIA
1,877,838	1,775,403	799,718	4,452,653	1,193,280	9,507,823	SOUTHERN ILLINOIS
9,311,845	8,720,000	1,738,373	18,770,317	5,306,286	35,630,950	STANFORD
1,796,428	1,711,765	432,853	3,941,046	1,479,823	8,697,243	SUNY-ALBANY
3,803,154	2,153,288	597,156	6,553,598	1,355,269	12,641,639	SUNY-BUFFALO
2,312,198	2,678,766	483,915	5,474,879	1,080,721	10,471,053	SUNY-STONY BROOK
2,220,016	2,288,146	276,124	4,793,286	1,586,180	9,751,753	SYRACUSE
3,075,294	2,061,082	403,307	5,539,683	1,405,152	10,962,486	TEMPLE
2,414,043	2,343,151	547,834	5,305,028	1,268,693	10,820,032	TENNESSEE
5,201,771	6,217,492	1,097,589	12,516,852	3,236,282	22,387,342	TEXAS
2,700,387	2,113,350	780,191	5,683,928	2,469,615	13,005,235	TEXAS A&M
7,079,471	10,362,227	1,489,314	18,931,012	1,112,436	29,439,327	TORONTO
1,813,376	1,405,600	346,364	3,565,340	1,164,107	8,742,551	TULANE
2,280,045	2,584,087	548,623	5,712,755	2,242,714	12,890,250	UTAH
3,002,248	2,475,329	352,695	5,830,272	2,247,754	12,813,764	VANDERBILT
3,560,876	3,868,853	695,970	8,125,699	2,105,813	16,977,827	VIRGINIA
1,598,741	2,191,099	525,063	4,314,903	1,270,332	10,603,537	VPI & SU
5,245,503	5,957,229	1,501,076	12,703,808	2,817,946	22,818,111	WASHINGTON
1,532,537	2,532,127	452,630	4,517,294	1,500,834	9,259,789	WASHINGTON STATE
3,364,361	2,908,384	497,123	6,769,868	2,657,782	15,517,047	WASHINGTON U.-ST. LOUIS
1,873,991	2,525,495	335,312	4,734,799	646,559	8,832,233	WATERLOO
2,567,211	2,288,511	567,459	6,023,181	1,695,835	12,784,470	WAYNE STATE
U/A	U/A	U/A	6,466,104	561,747	11,203,107	WESTERN ONTARIO
6,060,826	5,422,980	1,760,925	13,244,731	4,328,603	25,069,946	WISCONSIN
8,205,000	7,090,000	959,000	16,254,000	5,422,000	33,487,000	YALE
2,486,420	3,536,622	605,328	6,618,370	1,618,114	12,044,922	YORK
U/A	U/A	U/A	17,167,139	5,651,278	29,388,540	BOSTON PUBLIC LIBRARY
U/A	U/A	U/A	5,700,022	5,997,310	18,423,287	CANADA INST. FOR SCITECH
U/A	U/A	U/A	1,485,728	1,102,583	3,500,066	CENTER FOR RESEARCH LIBS
U/A	U/A	U/A	203,172,031	175,785,078	388,381,716	LIBRARY OF CONGRESS
1,214,133	180,390	0	1,394,523	536,205	3,707,228	LINDA HALL LIBRARY
5,414,027	3,803,792	254,159	9,471,978	8,683,022	20,050,603	NATL. AGRICULTURAL LIB.
8,402,947	7,405,676	233,017	16,041,640	15,082,887	33,018,023	NATL. LIBRARY OF CANADA
8,347,700	2,228,200	367,100	10,943,000	12,899,000	28,301,000	NATL. LIBRARY OF MEDICINE
U/A	U/A	1,263,188	21,252,041	7,382,670	38,303,414	NEW YORK PUBLIC LIBRARY
U/A	U/A	U/A	5,844,941	837,775	9,252,849	NEW YORK STATE LIBRARY
2,736,137	1,632,344	85,442	4,456,923	423,767	6,358,217	SMITHSONIAN INSTITUTION

U/A = Unavailable N/A = Not Applicable

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ARL LIBRARY DATA TABLES 1993-94

SUMMARY DATA: EXPENDITURES

Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.	Total Library Materials	Contract Binding
		UNIVERSITY MEDIAN			
$1,310,737	$2,912,494	$240,203	$77,210	$4,549,699	$170,705
		UNIVERSITY HIGH			
$6,019,665	$6,098,550	$2,950,000	$877,782	$14,378,067	$993,867
		UNIVERSITY LOW			
$509,930	$1,538,472	$11,189	$0	$2,383,172	$19,996
		TOTALS - UNIVERSITY LIBRARIES			
$183,125,187	$333,010,879	$34,338,812	$14,882,246	$565,357,125	$23,035,984
		NUMBER OF UNIVERSITY LIBRARIES RESPONDING			
108	108	87	102	108	108
		TOTALS - NONUNIVERSITY LIBRARIES			
$15,724,536	$16,988,874	$5,013,674	$564,224	$45,017,263	$2,356,139
		NUMBER OF NONUNIVERSITY LIBRARIES RESPONDING			
10	10	7	9	11	10
		GRAND TOTALS - ALL ARL LIBRARIES			
$198,849,723	$349,999,753	$39,352,487	$15,446,470	$610,374,388	$25,392,123

ARL LIBRARY DATA TABLES 1993-94

SUMMARY DATA: EXPENDITURES

Salaries & Wages Professional Staff	Salaries & Wages Support Staff	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures
		UNIVERSITY MEDIAN			
$2,848,639	$2,864,398	$595,327	$6,183,885	$1,686,070	$12,704,493
		UNIVERSITY HIGH			
$17,773,206	$13,943,401	$2,742,783	$32,936,178	$15,614,938	$63,923,050
		UNIVERSITY LOW			
$1,185,348	$903,725	$75,429	$2,473,197	$322,891	$6,284,966
		TOTALS - UNIVERSITY LIBRARIES			
$350,265,471	$351,333,974	$77,977,930	$812,706,884	$229,919,466	$1,631,019,459
		NUMBER OF UNIVERSITY LIBRARIES RESPONDING			
105	105	105	108	108	108
		TOTALS - NONUNIVERSITY LIBRARIES			
$26,117,944	$15,250,402	$2,202,906	$296,929,967	$234,381,575	$578,684,943
		NUMBER OF NONUNIVERSITY LIBRARIES RESPONDING			
5	5	6	11	11	11
		GRAND TOTALS - ALL ARL LIBRARIES			
$376,383,415	$366,584,376	$80,180,836	$1,109,636,851	$464,301,041	$2,209,704,402

ARL LIBRARY DATA TABLES 1993-94

II. INTERLIBRARY LOANS and PERSONNEL

		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
INSTITUTION	Notes	(1)	(2)	(3)	(4)	(5)	(6)
ALABAMA	LM+	12,573	9,254	66	76	64	206
ALBERTA	**BLM+**	**74,410**	**26,928**	**66**	**229**	**38**	**333**
ARIZONA	**LM+**	**34,834**	**13,817**	**84**	**177**	**100**	**361**
ARIZONA STATE	BL+	21,849	17,643	101	205	68	374
AUBURN	+	19,385	4,298	51	95	45	191
BOSTON	**LM+**	**14,651**	**16,317**	**62**	**132**	**56**	**250**
BRIGHAM YOUNG	**+**	**23,805**	**20,436**	**100**	**53**	**138**	**291**
BRITISH COLUMBIA	LM+	13,513	16,338	103	255	56	414
BROWN	+	12,144	12,695	79	113	72	264
CALIFORNIA, BERKELEY	**L+**	**57,156**	**19,616**	**178**	**315**	**176**	**669**
CALIFORNIA, DAVIS	**LM+**	**35,931**	**12,452**	**53**	**178**	**62**	**293**
CALIFORNIA, IRVINE	M+	21,960	20,421	57	105	57	219
CALIFORNIA, LOS ANGELES	LM+	86,459	13,956	116	278	239	633
CALIFORNIA, RIVERSIDE	**+**	**11,187**	**16,729**	**35**	**81**	**41**	**157**
CALIFORNIA, SAN DIEGO	**M+**	**27,624**	**23,283**	**85**	**170**	**73**	**328**
CALIFORNIA, SANTA BARBARA	+	12,596	17,648	50	141	43	234
CASE WESTERN RESERVE	LM+	47,222	12,571	61	85	28	174
CHICAGO	**LM+**	**49,911**	**14,698**	**75**	**207**	**80**	**362**
CINCINNATI	**LM+**	**40,303**	**14,543**	**78**	**112**	**87**	**277**
COLORADO	L+	42,318	13,162	62	124	63	249
COLORADO STATE	+	33,616	22,796	40	75	40	155
COLUMBIA	**LM+**	**33,230**	**14,526**	**170**	**287**	**139**	**596**
CONNECTICUT	**BLM+**	**38,553**	**19,427**	**65**	**95**	**76**	**236**
CORNELL	BL+	19,645	15,306	132	300	159	591
DARTMOUTH	M+	15,123	13,939	52	104	28	184
DELAWARE	**+**	**13,190**	**8,391**	**52**	**113**	**56**	**221**
DUKE	**LM+**	**37,729**	**12,990**	**104**	**171**	**55**	**330**
EMORY	BLM+	31,849	14,642	76	139	40	255
FLORIDA	LM+	48,894	11,005	110	197	93	400
FLORIDA STATE	**BL+**	**37,625**	**15,409**	**55**	**125**	**62**	**242**
GEORGETOWN	**LM+**	**12,836**	**5,964**	**77**	**122**	**60**	**259**
GEORGIA	L+	38,161	9,174	83	178	67	328
GEORGIA TECH	+	12,682	3,317	53	59	10	122
GUELPH	**+**	**2,455**	**4,044**	**27**	**119**	**9**	**155**
HARVARD	**LM+**	**52,862**	**15,881**	**395**	**605**	**147**	**1,147**
HAWAII	+	7,339	5,751	61	102	70	233
HOUSTON	L+	21,512	14,491	46	98	63	207
HOWARD	**LM**	**1,123**	**675**	**56**	**103**	**35**	**194**
ILLINOIS, CHICAGO	**M+**	**97,085**	**74,719**	**79**	**163**	**38**	**280**
ILLINOIS, URBANA	L+	66,734	62,058	152	242	119	513

+ = See Footnotes
L - Includes Law Library
M- Includes Medical Library
B - Includes Branch Campuses
U/A - Unavailable
N/A - Not Applicable

ARL LIBRARY DATA TABLES 1993-94

II. INTERLIBRARY LOANS and PERSONNEL

		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
INSTITUTION	Notes	(1)	(2)	(3)	(4)	(5)	(6)
INDIANA	L+	61,581	32,013	142	187	143	472
IOWA	LM+	48,821	13,984	94	115	95	304
IOWA STATE	+	24,546	8,297	47	110	57	214
JOHNS HOPKINS	M+	30,844	21,028	81	180	44	305
KANSAS	BLM+	43,150	19,307	100	125	96	321
KENT STATE	B+	16,325	20,838	50	95	80	225
KENTUCKY	LM+	35,631	21,548	78	111	136	325
LAVAL	LM+	24,853	15,511	67	191	6	264
LOUISIANA STATE	L+	14,207	7,204	48	96	57	201
MCGILL	LM+	22,225	8,061	80	196	43	319
MCMASTER	M+	17,862	8,726	35	137	15	187
MANITOBA	LM+	19,527	11,330	56	145	19	220
MARYLAND	+	22,454	9,665	104	160	200	464
MASSACHUSETTS	+	17,400	8,416	51	99	39	189
MIT	+	22,789	6,088	85	116	25	226
MIAMI	LM+	32,307	13,595	76	139	52	267
MICHIGAN	LM+	39,635	21,868	140	295	155	590
MICHIGAN STATE	+	19,202	16,312	64	107	119	290
MINNESOTA	LM+	239,923	15,909	104	194	148	446
MISSOURI	LM+	38,428	17,034	58	133	57	248
NEBRASKA	L+	12,276	15,270	56	118	47	221
NEW MEXICO	LM+	25,458	21,835	78	150	101	329
NEW YORK	LM+	13,549	18,202	149	192	120	461
NORTH CAROLINA	LM+	40,009	9,304	120	214	92	426
NORTH CAROLINA STATE	+	23,934	7,219	60	120	60	240
NORTHWESTERN	BLM+	30,956	23,146	110	147	124	381
NOTRE DAME	L+	17,301	9,374	45	131	27	203
OHIO STATE	LM+	30,279	25,598	103	179	127	409
OKLAHOMA	LM+	30,459	23,789	51	76	60	187
OKLAHOMA STATE	BM+	20,338	12,632	51	66	66	183
OREGON	L+	18,034	9,933	51	92	74	217
PENNSYLVANIA	LM+	23,248	29,032	108	180	88	376
PENNSYLVANIA STATE	B+	37,162	20,184	126	332	88	546
PITTSBURGH	LM+	33,686	14,308	95	186	98	379
PRINCETON	+	18,990	9,070	125	224	55	404
PURDUE	+	16,353	12,949	66	145	61	272
QUEEN'S	LM+	8,804	10,259	46	137	21	204
RICE	+	6,971	5,060	49	71	19	139
ROCHESTER	M+	26,078	13,626	67	94	51	212
RUTGERS	BL+	20,068	15,502	107	248	100	455

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ARL LIBRARY DATA TABLES 1993-94

II. INTERLIBRARY LOANS and PERSONNEL

		Interlibrary Loans		Personnel (FTE)			
		Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
INSTITUTION	Notes	(1)	(2)	(3)	(4)	(5)	(6)
SASKATCHEWAN	LM+	10,733	14,121	37	123	11	171
SOUTH CAROLINA	**LM+**	**19,942**	**24,098**	**69**	**113**	**54**	**236**
SOUTHERN CALIFORNIA	**BLM+**	**10,938**	**15,066**	**104**	**135**	**88**	**327**
SOUTHERN ILLINOIS	L+	33,652	14,117	42	88	85	215
STANFORD	LM+	17,720	10,505	163	296	96	555
SUNY-ALBANY	**B+**	**18,483**	**11,385**	**49**	**87**	**38**	**174**
SUNY-BUFFALO	**LM+**	**40,211**	**11,959**	**99**	**100**	**71**	**270**
SUNY-STONY BROOK	M+	36,144	8,307	48	102	51	201
SYRACUSE	L+	10,339	8,516	68	133	52	253
TEMPLE	**BLM+**	**11,476**	**9,228**	**73**	**109**	**53**	**235**
TENNESSEE	**L+**	**24,039**	**19,044**	**66**	**135**	**59**	**260**
TEXAS	L+	34,916	19,322	144	391	94	629
TEXAS A&M	BM+	35,882	21,217	88	176	126	390
TORONTO	**LM+**	**18,220**	**7,818**	**158**	**369**	**98**	**625**
TULANE	**LM+**	**12,836**	**11,153**	**54**	**101**	**43**	**198**
UTAH	LM+	29,401	17,753	65	161	93	319
VANDERBILT	LM+	15,696	11,652	83	142	64	289
VIRGINIA	**LM+**	**48,846**	**23,701**	**92**	**188**	**73**	**353**
VPI & SU	**+**	**25,040**	**14,007**	**45**	**96**	**91**	**232**
WASHINGTON	LM+	69,610	9,643	132	227	127	486
WASHINGTON STATE	+	24,815	4,640	43	94	36	173
WASHINGTON U.-ST. LOUIS	**LM+**	**33,729**	**26,272**	**79**	**157**	**60**	**296**
WATERLOO	**+**	**7,672**	**4,605**	**51**	**116**	**21**	**188**
WAYNE STATE	LM+	40,945	9,564	79	101	81	261
WESTERN ONTARIO	LM+	9,725	3,750	46	176	33	255
WISCONSIN	**LM+**	**95,631**	**21,549**	**150**	**217**	**166**	**533**
YALE	**LM+**	**14,450**	**13,572**	**191**	**333**	**99**	**623**
YORK	BL+	14,949	3,483	52	142	50	244
BOSTON PUBLIC LIBRARY	**+**	**46,414**	**2,030**	**186**	**301**	**25**	**512**
CANADA INST. FOR SCITECH.	**B+**	**367,690**	**0**	**83**	**124**	**5**	**212**
CENTER FOR RESEARCH LIBS	+	30,597	0	30	32	13	75
LIBRARY OF CONGRESS	L+	17,585	495	1,568	2,742	7	4,317
LINDA HALL LIBRARY	**+**	**23,410**	**30**	**21**	**43**	**0**	**64**
NATL. AGRICULTURAL LIB.	**+**	**25,844**	**13,640**	**125**	**89**	**6**	**220**
NATL. LIBRARY OF CANADA	+	95,088	828	224	280	13	517
NATL. LIBRARY OF MEDICINE	M+	229,949	670	167	87	19	273
NEW YORK PUBLIC LIBRARY	**+**	**3,452**	**3,279**	**275**	**434**	**136**	**845**
NEW YORK STATE LIBRARY	**LM+**	**54,836**	**2,674**	**80**	**108**	**N/A**	**188**
SMITHSONIAN INSTITUTION	B+	18,548	14,410	60	60	5	125

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B - Includes Branch Campuses
U/A - Unavailable
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ARL LIBRARY DATA TABLES 1993-94

SUMMARY DATA: INTERLIBRARY LOANS and PERSONNEL

Total Items Loaned	Total Items Borrowed	Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
		UNIVERSITY MEDIAN			
24,292	13,995	74	136	63	265
		UNIVERSITY HIGH			
239,923	74,719	395	605	239	1,147
		UNIVERSITY LOW			
1,123	675	27	53	6	122
		TOTALS - UNIVERSITY LIBRARIES			
3,305,777	1,634,400	9,040	17,189	8,010	34,239
		NUMBER OF UNIVERSITY LIBRARIES RESPONDING			
108	108	108	108	108	108
		TOTALS - NONUNIVERSITY LIBRARIES			
913,413	38,056	2,819	4,300	229	7,348
		NUMBER OF NONUNIVERSITY LIBRARIES RESPONDING			
11	11	11	11	10	11
		GRAND TOTALS - ALL ARL LIBRARIES			
4,219,190	1,672,456	11,859	21,489	8,239	41,587

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are select indicators that describe the condition of ARL university libraries. The high and low figures indicate the range, and the mean and median indicate the central tendency of the distributions for ARL university libraries.

	Category	High	Mean	Median	Low	Number of libraries reporting
1.	Professional Staff as percent of Total Staff	43.44	26.31	25.97	17.42	108
2.	Support Staff as percent of Total Staff	76.77	50.45	50.35	18.21	108
3.	Student Assistant Staff as percent of Total Staff	47.42	23.24	23.07	2.27	108
4.	Ratio of Professional Staff to Support Staff (excluding student assistants)	1.89	0.55	0.52	0.23	108
5.	Ratio of Items Loaned to Items Borrowed	15.08	2.24	1.81	0.61	108
6.	Serials Expenditures as percent of Materials Expenditures	83.37	61.12	61.15	38.94	108
7.	Materials Expenditures as percent of Total Operating Expenditures	48.48	36.04	35.84	22.49	108
8.	Contract Binding as percent of Total Operating Expenditures	2.48	1.39	1.37	0.19	108
9.	Salary and Wage Expenditures as percent of Total Operating Expenditures	64.31	49.19	49.14	33.68	108
10.	Other Operating Expenditures as percent of Total Operating Expenditures	31.15	13.38	13.51	3.78	108
11.	Unit cost of monographs (per volume)	$76.56	$44.97	$44.06	$22.21	90
12.	Unit cost of serials (per title)	$340.65	$194.20	$197.11	$99.45	81

Note that a distribution is normal when the mean and the median figures are identical. If the mean is larger than the median then the distribution is positively skewed, and if the opposite is true the distribution is negatively skewed.

Ph.D., FACULTY, AND ENROLLMENT STATISTICS

INSTITUTION	Ph.D.s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS Total Full-time	Total FTE Part-time	Graduate Full-time	Graduate FTE Part-time
ALABAMA	108	49	815	16,105	3,375	2,325	1,776
ALBERTA	**265**	**78**	**1,744**	**26,049**	**4,445**	**3,302**	**1,362**
ARIZONA +	**444**	**96**	**1,490**	**27,205**	**8,074**	**5,541**	**3,180**
ARIZONA STATE +	258	40	1,760	23,850	9,715	5,494	6,686
AUBURN	132	36	1,109	18,152	3,211	1,883	1,495
BOSTON	**177**	**54**	**1,012**	**22,168**	**6,485**	**7,197**	**3,372**
BRIGHAM YOUNG	**74**	**33**	**1,339**	**28,349**	**3,357**	**1,816**	**1,115**
BRITISH COLUMBIA	270	80	1,871	18,785	6,370	5,266	580
BROWN	170	36	530	7,180	475	1,537	126
CALIFORNIA, BERKELEY	**896**	**115**	**1,420**	**30,100**	**241**	**8,387**	**241**
CALIFORNIA, DAVIS+	**326**	**52**	**2,750**	**20,309**	**2,177**	**4,880**	**289**
CALIFORNIA, IRVINE +	172	23	1,054	15,746	U/A	3,069	U/A
CALIFORNIA, LOS ANGELES	582	75	1,952	32,527	1,920	10,890	655
CALIFORNIA, RIVERSIDE	**134**	**31**	**564**	**6,922**	**265**	**1,415**	**75**
CALIFORNIA, SAN DIEGO +	**287**	**48**	**1,170**	**17,034**	**711**	**3,296**	**106**
CALIFORNIA, SANTA BARBARA	216	53	945	17,724	842	2,142	147
CASE WESTERN RESERVE	185	44	1,769	6,300	2,955	3,270	2,434
CHICAGO	**393**	**68**	**1,232**	**9,474**	**1,852**	**6,034**	**1,813**
CINCINNATI	**217**	**55**	**1,113**	**19,531**	**9,131**	**4,365**	**3,018**
COLORADO	306	59	1,068	21,741	6,793	2,498	4,003
COLORADO STATE +	178	30	1,576	18,305	2,805	2,659	976
COLUMBIA	**368**	**71**	**3,193**	**15,104**	**3,916**	**10,084**	**2,010**
CONNECTICUT	**246**	**66**	**1,039**	**16,415**	**6,767**	**3,820**	**3,870**
CORNELL +	596	74	1,522	18,708	73	5,636	48
DARTMOUTH	52	13	913	5,127	92	1,209	90
DELAWARE	**114**	**37**	**800**	**15,804**	**5,931**	**1,674**	**1,409**
DUKE	**211**	**41**	**1,636**	**10,901**	**381**	**4,713**	**328**
EMORY	106	22	678	9,024	1,343	3,480	1,151
FLORIDA	442	96	2,261	31,273	6,051	6,803	2,765
FLORIDA STATE +	**274**	**66**	**1,038**	**22,816**	**5,759**	**3,910**	**2,517**
GEORGETOWN	**74**	**17**	**798**	**10,140**	**2,181**	**4,259**	**1,775**
GEORGIA	229	66	2,110	24,377	4,376	4,824	1,628
GEORGIA TECH	196	61	653	11,419	1,427	2,891	773
GUELPH +	**77**	**U/A**	**664**	**12,653**	**2,682**	**1,498**	**233**
HARVARD +	**390**	**67**	**1,723**	**17,501**	**1,240**	**10,639**	**920**
HAWAII	144	49	1,244	14,126	5,935	3,098	3,524
HOUSTON	150	43	1,427	18,770	13,359	3,430	4,004
HOWARD	**63**	**23**	**1,273**	**9,085**	**U/A**	**2,354**	**U/A**
ILLINOIS, CHICAGO	**229**	**45**	**1,814**	**19,005**	**6,440**	**5,487**	**3,514**
ILLINOIS, URBANA	879	88	1,868	33,727	2,709	8,305	1,798
INDIANA	303	71	1,304	29,695	5,899	5,044	3,088
IOWA +	**324**	**59**	**1,064**	**20,891**	**6,797**	**5,537**	**3,710**
IOWA STATE	**307**	**83**	**1,188**	**21,693**	**3,720**	**3,017**	**2,005**
JOHNS HOPKINS	290	60	814	7,002	8,095	5,436	6,526
KANSAS +	215	67	1,567	22,670	6,192	4,790	4,519
KENT STATE	**69**	**18**	**911**	**21,198**	**10,536**	**1,832**	**3,093**
KENTUCKY +	**216**	**49**	**1,200**	**18,371**	**5,299**	**3,440**	**2,703**
LAVAL	223	51	1,684	25,079	11,068	4,153	2,796
LOUISIANA STATE	209	77	1,218	20,331	5,754	4,062	1,997
MCGILL +	**254**	**62**	**1,621**	**22,077**	**9,655**	**5,188**	**1,769**
MCMASTER	**108**	**35**	**1,015**	**13,886**	**3,889**	**1,562**	**729**
MANITOBA	120	43	1,289	12,329	8,766	2,664	1,000
MARYLAND	507	68	1,428	23,555	8,882	4,215	4,895
MASSACHUSETTS +	**249**	**50**	**1,172**	**18,705**	**3,589**	**2,270**	**3,589**
MIT	**484**	**84**	**915**	**9,478**	**312**	**4,997**	**284**

These figures were reported on ARL Questionnaire and have not been verified with the U.S. NCES IPEDS survey.

Includes both undergraduate and graduate students.

U/A = Unavailable

+ = See Footnotes

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Ph.D., FACULTY, AND ENROLLMENT STATISTICS

INSTITUTION	Ph.D's Awarded	Ph.D Fields	Faculty	ENROLLMENTS			
				Total Full-time	Total FTE Part-time	Graduate Full-time	Graduate FTE Part-time
MIAMI	101	41	1,856	11,921	1,921	4,161	1,045
MICHIGAN +	615	111	2,741	33,113	3,732	11,068	2,393
MICHIGAN STATE	**431**	**107**	**2,058**	**31,921**	**7,822**	**5,281**	**3,702**
MINNESOTA	**707**	**95**	**1,538**	**22,548**	**29,332**	**6,046**	**7,496**
MISSOURI	239	58	899	18,126	4,099	3,344	2,516
NEBRASKA	208	33	1,127	18,676	5,178	2,618	2,536
NEW MEXICO+	**165**	**34**	**1,399**	**15,268**	**10,066**	**1,967**	**2,276**
NEW YORK	**388**	**137**	**2,207**	**21,312**	**13,048**	**5,520**	**9,724**
NORTH CAROLINA	373	62	2,297	19,540	4,794	4,931	3,694
NORTH CAROLINA STATE +	300	54	1,602	18,398	12,592	1,942	3,820
NORTHWESTERN	**367**	**77**	**1,879**	**13,943**	**3,608**	**6,281**	**1,581**
NOTRE DAME	**109**	**26**	**647**	**9,682**	**441**	**2,011**	**411**
OHIO STATE	702	99	2,383	39,205	11,418	8,166	5,413
OKLAHOMA	146	61	1,471	16,336	5,191	1,322	1,168
OKLAHOMA STATE	**148**	**31**	**1,251**	**18,768**	**6,452**	**2,144**	**2,680**
OREGON +	**174**	**45**	**688**	**13,440**	**3,153**	**2,548**	**1,117**
PENNSYLVANIA	439	85	1,968	18,269	4,200	8,841	2,190
PENNSYLVANIA STATE	393	98	2,861	52,282	15,767	4,414	5,781
PITTSBURGH +	**295**	**62**	**1,325**	**19,359**	**8,169**	**6,041**	**3,880**
PRINCETON	**268**	**41**	**710**	**4,538**	**0**	**1,906**	**0**
PURDUE	493	54	1,369	30,583	4,578	4,339	2,060
QUEEN'S +	127	30	725	13,184	4,463	2,116	689
RICE	**106**	**23**	**448**	**4,090**	**171**	**1,395**	**107**
ROCHESTER +	**205**	**56**	**508**	**7,755**	**1,985**	**2,277**	**1,545**
RUTGERS	374	63	1,954	32,594	15,468	4,646	8,528
SASKATCHEWAN	93	57	U/A	13,233	2,930	1,383	529
SOUTH CAROLINA	**240**	**46**	**1,060**	**16,922**	**9,788**	**3,564**	**6,105**
SOUTHERN CALIFORNIA +	**415**	**78**	**1,634**	**20,627**	**7,031**	**7,368**	**5,602**
SOUTHERN ILLINOIS +	160	27	977	18,265	5,616	684	3,111
STANFORD +	547	63	1,398	12,622	1,409	6,061	1,409
SUNY-ALBANY	**102**	**33**	**638**	**12,282**	**4,477**	**2,113**	**3,230**
SUNY-BUFFALO +	**332**	**71**	**982**	**18,711**	**6,924**	**4,748**	**3,800**
SUNY STONY BROOK	262	36	1,267	13,080	4,084	2,825	2,811
SYRACUSE +	178	76	932	14,989	5,255	2,638	3,620
TEMPLE +	**190**	**61**	**1,732**	**19,301**	**10,739**	**4,575**	**6,073**
TENNESSEE	**226**	**55**	**1,098**	**19,534**	**5,878**	**3,810**	**2,993**
TEXAS +	680	74	2,161	41,730	6,825	11,713	1,636
TEXAS A&M	568	73	1,990	37,777	4,747	6,134	1,949
TORONTO	**433**	**75**	**2,738**	**37,963**	**17,522**	**7,109**	**3,570**
TULANE +	**70**	**43**	**926**	**8,723**	**2,017**	**3,777**	**488**
UTAH	210	57	1,398	17,495	9,618	3,601	1,244
VANDERBILT +	141	39	1,604	9,197	656	3,635	566
VIRGINIA	**271**	**46**	**973**	**17,034**	**4,360**	**5,753**	**3,195**
VPI & SU +	**379**	**47**	**1,485**	**22,480**	**3,550**	**3,969**	**2,934**
WASHINGTON	455	66	2,920	28,508	6,293	7,404	1,710
WASHINGTON STATE +	189	44	965	16,479	2,343	2,034	989
WASHINGTON U.-ST. LOUIS	**183**	**46**	**620**	**8,269**	**3,402**	**3,390**	**2,128**
WATERLOO	**138**	**28**	**829**	**15,868**	**7,847**	**1,793**	**417**
WAYNE STATE	263	67	1,315	15,265	17,641	5,969	7,770
WESTERN ONTARIO	147	38	1,370	16,453	3,349	2,671	178
WISCONSIN	**783**	**120**	**2,220**	**34,271**	**6,653**	**9,789**	**2,435**
YALE	**325**	**46**	**1,733**	**10,613**	**341**	**5,396**	**258**
YORK	93	55	1,221	26,966	11,347	2,141	1,331

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Includes both undergraduate and graduate students.

U/A - Unavailable

+ - See Footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the eighteen categories for which rank order tables are prepared. The table numbers in the chart below refer to the data categories listed below. The number of libraries indicates the number of ARL university libraries supplying data in each category.

TABLE	DATA CATEGORY	NO. OF LIBS.	TABLE	DATA CATEGORY	NO. OF LIBS.
1	VOLUMES IN LIBRARY	108	10	MONOGRAPHS PURCHASED (VOLS.)	90
2	VOLUMES ADDED (GROSS)	108	11	EXPENDITURES FOR MONOGRAPHS	108
3	CURRENT SERIALS (TOTAL)	108	12	SERIALS PURCHASED (SUBSCRIPTIONS)	81
4	MICROFORM HOLDINGS	108	13	EXPENDITURES FOR SERIALS	108
5	GOVERNMENT DOCUMENTS	98	14	TOTAL ITEMS LOANED	108
6	MATERIALS EXPENDITURES	108	15	TOTAL ITEMS BORROWED	108
7	SALARIES & WAGES EXPENDITURES	108	16	PROFESSIONAL STAFF (FTE)	108
8	OTHER OPERATING EXPENDITURES	108	17	SUPPORT STAFF (FTE)	108
9	TOTAL LIBRARY EXPENDITURES	108	18	TOTAL STAFF (FTE)	108

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ALABAMA	96	99	97	96	101	97	101	98	94	97	92	94	79	94	83	90	102	96
ALBERTA	25	43	56	47	39	44	24	77	36	43	49	43	33	5	5	60	15	33
ARIZONA	22	22	43	25	74	30	40	25	32	13	24	17	43	33	58	39	35	31
ARIZONA STATE	39	30	24	1	24	24	33	41	30	14	17	14	41	63	32	29	21	29
AUBURN	68	71	67	72	41	81	103	78	92	80	47	76	81	70	103	84	92	93
BOSTON	90	70	33	53	U/A	80	71	56	69	72	88	27	68	86	36	63	59	63
BRIGHAM YOUNG	60	61	73	94	45	55	59	49	59	17	40	69	82	57	21	30	108	47
BRITISH COLUMBIA	29	16	52	29	18	33	18	44	23	9	16	34	23	38	35	27	12	21
BROWN	48	25	103	101	74	85	62	21	56	50	44	65	92	96	65	44	72	55
CALIFORNIA, BERKELEY	4	10	4	10	63	5	2	9	3	U/A	3	U/A	4	9	24	3	6	2
CALIFORNIA, DAVIS	47	44	11	54	64	48	37	83	44	U/A	61	U/A	58	29	68	29	33	46
CALIFORNIA, IRVINE	105	85	81	98	33	70	48	52	57	65	67	U/A	75	62	22	73	80	80
CALIFORNIA, LOS ANGELES	9	6	2	7	66	7	6	6	6	1	6	U/A	13	4	56	18	11	1
CALIFORNIA, RIVERSIDE	103	107	102	100	48	104	102	101	106	56	75	80	108	98	34	106	101	104
CALIFORNIA, SAN DIEGO	62	39	44	84	56	46	29	45	38	10	47	23	47	48	11	37	39	36
CALIFORNIA, SANTA BARBARA	70	102	41	38	25	95	66	42	67	54	74	56	93	93	31	90	50	72
CASE WESTERN RESERVE	94	104	98	92	69	84	94	94	96	87	103	60	55	15	67	69	100	100
CHICAGO	11	13	15	98	U/A	31	26	28	26	7	14	U/A	28	11	46	54	20	30
CINCINNATI	87	106	64	73	42	41	58	57	54	48	56	U/A	30	18	48	48	75	51
COLORADO	52	46	34	13	5	29	60	95	47	20	34	28	29	40	62	67	63	64
COLORADO STATE	108	74	55	93	49	91	106	97	104	66	76	72	101	97	13	104	104	105
COLUMBIA	8	9	6	23	60	8	7	12	8	U/A	7	1	7	39	49	4	10	7
CONNECTICUT	55	56	68	46	U/A	51	34	47	40	61	77	22	51	22	25	64	92	69
CORNELL	12	14	7	2	U/A	9	11	10	9	U/A	10	U/A	14	68	43	13	7	8
DARTMOUTH	80	49	61	85	74	74	78	62	73	60	50	37	74	84	47	81	81	98
DELAWARE	69	89	59	79	40	60	83	93	80	38	31	21	90	89	90	81	72	77
DUKE	19	27	30	65	6	16	27	7	20	25	15	U/A	17	25	63	23	38	34
EMORY	74	71	45	70	57	28	54	3	25	U/A	26	31	54	42	47	52	51	60
FLORIDA	36	31	42	8	8	37	28	70	34	52	65	19	11	12	74	19	22	24

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SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
FLORIDA STATE	78	80	71	30	16	67	96	99	93	U/A	80	U/A	53	26	42	77	61	67
GEORGETOWN	82	82	38	80	38	40	41	31	39	78	52	11	42	90	98	51	65	59
GEORGIA	14	17	12	19	15	35	50	50	42	23	17	U/A	12	24	55	40	13	16
GEORGIA TECH	97	100	106	49	72	103	108	97	108	91	97	91	102	97	107	79	107	105
GUELPH	75	82	104	102	74	108	98	108	107	82	102	78	107	107	104	108	67	105
HARVARD	1	1	1	1	U/A	1	1	1	1	U/A	1	U/A	1	10	39	1	1	1
HAWAII	44	54	57	9	74	58	49	103	91	U/A	96	72	86	105	101	69	63	73
HOUSTON	98	96	96	42	27	64	99	98	82	41	60	51	83	62	93	97	94	85
HOWARD	91	103	51	44	74	82	92	104	99	89	108	18	37	108	108	74	82	92
ILLINOIS, CHICAGO	96	90	86	91	28	63	52	51	58	55	86	41	50	2	1	44	40	50
ILLINOIS, URBANA	2	2	2	2	U/A	14	20	16	19	9	11	U/A	16	3	2	5	9	13
INDIANA	13	13	19	49	74	12	19	20	18	U/A	12	7	27	8	3	11	20	17
IOWA	27	33	20	11	11	36	42	43	37	22	38	24	44	14	55	34	71	44
IOWA STATE	83	94	54	77	74	59	73	66	66	68	58	45	65	54	92	96	77	83
JOHNS HOPKINS	37	66	67	62	74	23	16	13	27	24	43	15	40	44	19	42	11	43
KANSAS	32	29	27	74	26	39	53	46	46	18	32	20	46	16	27	30	61	40
KENT STATE	68	101	108	108	73	107	79	88	102	28	96	79	106	81	20	90	92	76
KENTUCKY	53	87	37	14	9	65	57	91	68	88	105	46	62	31	17	48	76	39
LAVAL	81	53	80	107	70	76	39	100	62	53	82	59	60	52	40	58	26	55
LOUISIANA STATE	46	45	34	21	65	102	87	73	91	14	87	70	100	93	96	94	90	90
MCGILL	43	65	75	104	17	66	30	79	45	63	73	54	70	61	93	43	23	41
MCMASTER	104	92	99	103	74	92	80	105	95	57	85	66	73	76	87	106	53	96
MANITOBA	106	91	105	105	72	105	65	96	87	85	106	67	91	69	72	74	26	79
MARYLAND	58	52	67	18	23	87	38	40	41	12	22	38	103	60	78	23	42	16
MASSACHUSETTS	51	76	92	96	74	96	69	72	78	46	84	63	95	78	89	84	88	94
MIT	59	84	53	97	74	88	55	54	64	74	89	74	77	59	97	37	69	75
MIAMI	88	101	96	99	36	42	68	29	48	29	54	39	35	41	60	52	51	54
MICHIGAN	6	7	5	16	74	4	9	2	5	U/A	5	2	2	21	14	12	9	9
MICHIGAN STATE	24	19	35	21	74	49	44	74	49	26	42	49	49	71	37	66	79	48
MINNESOTA	17	26	17	19	1	10	16	14	11	U/A	25	4	5	1	38	23	24	19
MISSOURI	69	79	47	12	4	87	59	69	54	71	66	58	80	23	33	72	57	65
NEBRASKA	64	71	72	59	74	74	90	89	86	60	93	47	87	95	44	71	68	77
NEW MEXICO	89	75	50	6	53	61	43	23	43	36	91	47	59	50	15	48	44	35
NEW YORK	31	40	32	50	43	20	15	8	12	21	19	8	20	83	29	9	25	17
NORTH CAROLINA	21	28	22	41	3	15	22	19	21	11	20	16	18	20	82	17	19	20
NORTH CAROLINA STATE	57	63	70	37	74	52	77	44	61	69	50	75	89	56	95	71	66	68
NORTHWESTERN	26	42	21	71	74	38	31	36	33	U/A	41	U/A	34	43	12	19	45	26
NOTRE DAME	61	50	48	83	59	62	84	90	81	33	48	U/A	94	79	81	100	60	88
OHIO STATE	18	24	28	40	62	25	23	24	24	16	43	10	11	46	7	27	32	22
OKLAHOMA	54	72	79	51	7	86	105	67	98	83	95	52	66	45	9	84	102	86
OKLAHOMA STATE	100	55	77	67	71	106	107	35	103	81	104	U/A	105	65	66	84	106	99
OREGON	76	78	88	99	37	56	85	85	77	45	70	61	71	75	77	84	97	81

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SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

INSTITUTION	TABLES																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PENNSYLVANIA	20	20	25	72	U/A	19	21	15	22	19	23	U/A	19	55	4	21	30	28
PENNSYLVANIA STATE	28	15	26	60	74	11	14	30	13	U/A	13	13	10	27	23	15	9	11
PITTSBURGH	**35**	**35**	**46**	**62**	**72**	**22**	**36**	**32**	**29**	**U/A**	**21**	**U/A**	**21**	**35**	**51**	**33**	**29**	**27**
PRINCETON	**16**	**23**	**31**	**49**	**74**	**13**	**17**	**17**	**14**	**5**	**9**	**6**	**48**	**72**	**86**	**16**	**17**	**23**
PURDUE	73	58	68	61	55	31	35	50	36	46	48	55	46	50	64	60	46	52
QUEENS	84	87	101	78	13	64	74	107	69	73	70	63	67	101	76	97	83	87
RICE	**95**	**93**	**99**	**89**	**50**	**73**	**100**	**81**	**90**	**39**	**51**	**71**	**96**	**106**	**100**	**92**	**105**	**107**
ROCHESTER	**41**	**105**	**107**	**36**	**31**	**72**	**93**	**55**	**79**	**76**	**81**	**68**	**64**	**49**	**59**	**58**	**95**	**84**
RUTGERS	40	36	50	52	2	21	9	63	16	27	39	U/A	12	66	41	22	13	18
SASKATCHEWAN	107	107	100	78	82	99	95	106	105	78	100	73	72	101	85	105	94	103
SOUTH CAROLINA	**50**	**59**	**78**	**35**	**20**	**83**	**76**	**60**	**74**	**44**	**62**	**U/A**	**88**	**67**	**8**	**56**	**72**	**69**
SOUTHERN CALIFORNIA	**33**	**47**	**36**	**34**	**34**	**32**	**25**	**33**	**28**	**8**	**27**	**U/A**	**22**	**99**	**45**	**23**	**55**	**38**
SOUTHERN ILLINOIS	63	73	74	71	46	90	88	82	85	77	94	90	85	96	85	103	98	97
STANFORD	10	8	13	28	68	3	4	9	2	U/A	2	U/A	1	77	78	9	8	10
SUNY - ALBANY	**99**	**91**	**87**	**76**	**74**	**100**	**97**	**65**	**101**	**75**	**101**	**U/A**	**104**	**73**	**71**	**92**	**99**	**100**
SUNY - BUFFALO	**40**	**34**	**49**	**26**	**30**	**54**	**49**	**71**	**55**	**51**	**71**	**29**	**61**	**19**	**69**	**32**	**87**	**53**
SUNY - STONY BROOK	92	96	97	88	61	77	70	87	78	88	90	77	78	28	91	94	83	89
SYRACUSE	48	77	90	87	88	98	81	61	83	84	99	U/A	84	101	88	87	87	62
TEMPLE	**67**	**95**	**91**	**86**	**58**	**78**	**67**	**68**	**70**	**39**	**78**	**62**	**67**	**97**	**84**	**55**	**78**	**71**
TENNESSEE	**77**	**81**	**63**	**63**	**21**	**68**	**72**	**76**	**71**	**31**	**69**	**36**	**63**	**55**	**28**	**60**	**55**	**58**
TEXAS	8	3	10	17	74	27	13	16	17	15	30	9	24	32	26	10	2	4
TEXAS A&M	66	48	60	27	67	47	64	27	50	62	55	48	38	80	18	36	36	25
TORONTO	**7**	**4**	**19**	**56**	**U/A**	**6**	**3**	**86**	**7**	**3**	**4**	**5**	**9**	**74**	**94**	**6**	**3**	**5**
TULANE	**85**	**66**	**93**	**87**	**14**	**79**	**104**	**84**	**100**	**42**	**63**	**50**	**91**	**90**	**73**	**78**	**85**	**91**
UTAH	96	81	83	66	22	90	63	78	51	U/A	45	44	70	47	50	64	41	43
VANDERBILT	71	69	55	55	41	53	61	37	52	U/A	53	42	52	82	70	80	48	49
VIRGINIA	**23**	**18**	**14**	**31**	**19**	**26**	**32**	**39**	**31**	**12**	**29**	**15**	**26**	**13**	**10**	**35**	**27**	**32**
VPI & SU	**93**	**97**	**58**	**5**	**44**	**45**	**91**	**75**	**72**	**47**	**68**	**25**	**56**	**51**	**54**	**100**	**90**	**74**
WASHINGTON	15	12	8	4	U/A	18	12	22	15	17	35	U/A	6	6	79	13	16	14
WASHINGTON STATE	101	98	80	68	U/A	101	86	64	88	49	107	U/A	76	53	101	102	95	102
WASHINGTON U. - ST. LOUIS	**38**	**52**	**69**	**81**	**74**	**34**	**45**	**26**	**35**	**64**	**72**	**26**	**25**	**34**	**6**	**44**	**43**	**45**
WATERLOO	**102**	**108**	**84**	**106**	**74**	**94**	**82**	**98**	**97**	**70**	**64**	**40**	**97**	**104**	**102**	**84**	**69**	**95**
WAYNE STATE	47	58	58	82	47	43	66	43	43	50	28	33	60	17	80	44	58	67
WESTERN ONTARIO	72	64	76	64	74	60	51	102	65	35	83	52	45	102	105	67	36	60
WISCONSIN	**14**	**17**	**16**	**33**	**54**	**17**	**10**	**11**	**10**	**6**	**18**	**3**	**15**	**3**	**16**	**8**	**18**	**12**
YALE	**2**	**5**	**9**	**24**	**12**	**2**	**5**	**4**	**4**	**2**	**8**	**U/A**	**8**	**87**	**61**	**2**	**4**	**6**
YORK	79	62	65	61	74	90	47	90	60	U/A	46	U/A	98	85	106	81	48	66

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RANK ORDER TABLES OF UNIVERSITY LIBRARIES

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	12,877,360	55	CONNECTICUT	2,481,922
2	YALE	9,485,823	56	UTAH	2,425,501
3	ILLINOIS, URBANA	8,474,737	57	NORTH CAROLINA STATE	2,398,533
4	CALIFORNIA, BERKELEY	8,078,685	58	MARYLAND	2,398,413
5	TEXAS	7,019,508	59	MIT	2,365,695
6	MICHIGAN	6,664,081	60	BRIGHAM YOUNG	2,326,023
7	TORONTO	6,563,330	61	NOTRE DAME	2,322,010
8	COLUMBIA	6,532,066	62	CALIFORNIA, SAN DIEGO	2,297,271
9	CALIFORNIA, LOS ANGELES	6,460,391	63	SOUTHERN ILLINOIS	2,280,457
10	STANFORD	6,409,239	64	NEBRASKA	2,278,154
11	CHICAGO	5,710,003	65	AUBURN	2,233,727
12	CORNELL	5,697,525	66	TEXAS A&M	2,226,104
13	INDIANA	5,554,529	67	TEMPLE	2,223,152
14	WISCONSIN	5,535,592	68	KENT STATE	2,175,065
15	WASHINGTON	5,355,140	69	DELAWARE	2,168,197
16	PRINCETON	5,186,097	70	CALIFORNIA, SANTA BARBARA	2,164,156
17	MINNESOTA	5,101,275	71	VANDERBILT	2,143,264
18	OHIO STATE	4,786,385	72	WESTERN ONTARIO	2,141,703
19	DUKE	4,330,108	73	PURDUE	2,137,219
20	PENNSYLVANIA	4,209,745	74	EMORY	2,118,322
21	NORTH CAROLINA	4,154,897	75	GUELPH	2,111,526
22	ARIZONA	4,126,225	76	OREGON	2,080,724
23	VIRGINIA	4,059,252	77	TENNESSEE	2,072,361
24	MICHIGAN STATE	3,904,095	78	FLORIDA STATE	2,065,664
25	ALBERTA	3,757,528	79	YORK	2,063,777
26	NORTHWESTERN	3,709,164	80	DARTMOUTH	2,057,421
27	IOWA	3,567,227	81	LAVAL	2,057,291
28	PENNSYLVANIA STATE	3,534,834	82	GEORGETOWN	2,017,927
29	BRITISH COLUMBIA	3,468,072	83	IOWA STATE	2,011,189
30	RUTGERS	3,419,767	84	QUEEN'S	2,002,312
31	NEW YORK	3,335,176	85	TULANE	2,001,142
32	KANSAS	3,292,923	86	ALABAMA	1,999,201
33	SOUTHERN CALIFORNIA	3,232,617	87	CINCINNATI	1,980,314
34	GEORGIA	3,215,717	88	MIAMI	1,969,352
35	PITTSBURGH	3,201,394	89	NEW MEXICO	1,949,583
36	FLORIDA	3,092,189	90	BOSTON	1,949,570
37	JOHNS HOPKINS	3,061,736	91	HOWARD	1,943,749
38	WASHINGTON U.-ST. LOUIS	3,045,378	92	SUNY-STONY BROOK	1,891,079
39	ARIZONA STATE	3,019,670	93	VPI & SU	1,887,734
40	SUNY-BUFFALO	2,864,268	94	CASE WESTERN RESERVE	1,871,260
41	ROCHESTER	2,843,283	95	RICE	1,831,554
42	WAYNE STATE	2,833,977	96	ILLINOIS, CHICAGO	1,828,223
43	MCGILL	2,824,083	97	GEORGIA TECH	1,811,702
44	HAWAII	2,786,852	98	HOUSTON	1,804,002
45	SYRACUSE	2,780,040	99	SUNY-ALBANY	1,782,451
46	LOUISIANA STATE	2,778,482	100	OKLAHOMA STATE	1,758,337
47	CALIFORNIA, DAVIS	2,725,302	101	WASHINGTON STATE	1,757,256
48	BROWN	2,709,732	102	WATERLOO	1,722,508
49	MISSOURI	2,683,566	103	CALIFORNIA, RIVERSIDE	1,717,626
50	SOUTH CAROLINA	2,639,171	104	MCMASTER	1,699,850
51	MASSACHUSETTS	2,634,277	105	CALIFORNIA, IRVINE	1,648,407
52	COLORADO	2,575,290	106	MANITOBA	1,646,592
53	KENTUCKY	2,556,807	107	SASKATCHEWAN	1,594,201
54	OKLAHOMA	2,484,094	108	COLORADO STATE	1,553,346

Figure for some institutions includes government documents. See also Rank Order Table 5: Government Documents.

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	262,113	55	OKLAHOMA STATE	71,660
2	ILLINOIS, URBANA	194,203	56	CONNECTICUT	71,648
3	TEXAS	189,587	57	QUEEN'S	71,581
4	TORONTO	180,432	58	PURDUE	70,164
5	YALE	167,405	59	SOUTH CAROLINA	68,888
6	CALIFORNIA, LOS ANGELES	166,912	60	MIAMI	68,107
7	MICHIGAN	164,908	61	BRIGHAM YOUNG	67,790
8	STANFORD	163,395	62	YORK	67,084
9	COLUMBIA	161,986	63	NORTH CAROLINA STATE	66,637
10	CALIFORNIA, BERKELEY	156,040	64	WESTERN ONTARIO	66,524
11	INDIANA	149,827	65	MCGILL	66,040
12	WASHINGTON	140,897	66	TULANE	65,480
13	CHICAGO	135,997	67	SASKATCHEWAN	65,113
14	CORNELL	133,816	68	JOHNS HOPKINS	64,863
15	PENNSYLVANIA STATE	129,818	69	VANDERBILT	64,555
16	BRITISH COLUMBIA	128,109	70	BOSTON	63,782
17	WISCONSIN	124,420	71	EMORY	63,676
18	VIRGINIA	121,443	72	OKLAHOMA	61,608
19	MICHIGAN STATE	119,892	73	SOUTHERN ILLINOIS	61,150
20	PENNSYLVANIA	117,843	74	COLORADO STATE	60,885
21	NEBRASKA	117,061	75	NEW MEXICO	60,006
22	ARIZONA	116,389	76	MASSACHUSETTS	59,314
23	PRINCETON	114,077	77	SYRACUSE	59,124
24	OHIO STATE	110,791	78	OREGON	58,361
25	BROWN	108,067	79	MISSOURI	58,064
26	MINNESOTA	107,386	80	FLORIDA STATE	57,665
27	DUKE	107,210	81	TENNESSEE	57,608
28	NORTH CAROLINA	106,580	82	GEORGETOWN	56,510
29	KANSAS	100,777	82	GUELPH	56,510
30	ARIZONA STATE	96,470	84	MIT	54,887
31	AUBURN	94,248	85	CALIFORNIA, IRVINE	53,476
32	MARYLAND	92,173	86	HOUSTON	52,429
33	IOWA	92,013	87	KENTUCKY	52,413
34	SUNY-BUFFALO	87,298	88	ALABAMA	51,887
35	PITTSBURGH	86,298	89	DELAWARE	49,836
36	RUTGERS	84,645	90	ILLINOIS, CHICAGO	49,314
37	GEORGIA	84,495	91	SUNY-ALBANY	48,725
38	WAYNE STATE	82,887	92	MCMASTER	48,493
39	CALIFORNIA, SAN DIEGO	82,629	93	RICE	48,349
40	NEW YORK	81,938	94	IOWA STATE	48,117
41	UTAH	81,831	95	TEMPLE	46,692
42	NORTHWESTERN	79,513	96	SUNY-STONY BROOK	43,544
43	ALBERTA	78,674	97	VPI & SU	42,341
44	CALIFORNIA, DAVIS	75,346	98	WASHINGTON STATE	41,148
45	LOUISIANA STATE	74,937	99	MANITOBA	41,053
46	COLORADO	74,669	100	GEORGIA TECH	40,429
47	SOUTHERN CALIFORNIA	74,370	101	KENT STATE	40,088
48	TEXAS A&M	73,979	102	CALIFORNIA, SANTA BARBARA	39,844
49	DARTMOUTH	73,537	103	HOWARD	39,254
50	NOTRE DAME	73,509	104	CASE WESTERN RESERVE	38,523
51	FLORIDA	73,088	105	ROCHESTER	38,481
52	WASHINGTON U.-ST. LOUIS	72,289	106	CINCINNATI	38,149
53	LAVAL	71,930	107	CALIFORNIA, RIVERSIDE	38,035
54	HAWAII	71,826	108	WATERLOO	30,322

RANK ORDER TABLE 3: CURRENT SERIALS (TOTALS)

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	96,291	55	COLORADO STATE	21,029
2	CALIFORNIA, LOS ANGELES	96,003	56	ALBERTA	20,854
3	ILLINOIS, URBANA	91,318	57	JOHNS HOPKINS	20,501
4	CALIFORNIA, BERKELEY	89,948	58	VPI & SU	20,380
5	MICHIGAN	70,336	59	DELAWARE +	19,858
6	COLUMBIA	66,395	60	TEXAS A&M +	19,682
7	CORNELL	61,913	61	DARTMOUTH	19,662
8	WASHINGTON	56,535	62	AUBURN	19,636
9	YALE	52,971	63	TENNESSEE	19,433
10	TEXAS	51,171	64	CINCINNATI	19,378
11	CALIFORNIA, DAVIS	49,098	65	YORK	19,174
12	GEORGIA	47,650	66	MIAMI	18,971
13	STANFORD +	47,320	67	MARYLAND	18,675
14	VIRGINIA	46,916	68	CONNECTICUT +	18,615
15	CHICAGO	46,730	69	WASHINGTON U.-ST. LOUIS +	18,590
16	WISCONSIN	46,130	70	NORTH CAROLINA STATE	18,526
17	MINNESOTA	45,705	71	FLORIDA STATE +	18,498
18	INDIANA	40,548	72	NEBRASKA	18,387
19	TORONTO	40,270	73	BRIGHAM YOUNG	18,067
20	IOWA	40,009	74	SOUTHERN ILLINOIS +	17,986
21	NORTHWESTERN	38,626	75	MCGILL	17,739
22	NORTH CAROLINA	38,191	76	WESTERN ONTARIO	17,602
23	HAWAII	36,293	77	OKLAHOMA STATE	17,586
24	ARIZONA STATE	33,472	78	SOUTH CAROLINA	17,405
25	PENNSYLVANIA	33,384	79	OKLAHOMA	17,400
26	PENNSYLVANIA STATE	33,072	80	LAVAL	17,030
27	KANSAS	33,051	81	CALIFORNIA, IRVINE	16,907
28	OHIO STATE	32,812	82	ALABAMA	16,692
29	RUTGERS	31,874	83	UTAH	16,088
30	DUKE +	31,873	84	WATERLOO	16,084
31	PRINCETON	30,159	85	VANDERBILT +	16,009
32	NEW YORK	29,119	86	ILLINOIS, CHICAGO	15,989
33	BOSTON	28,795	87	SUNY-ALBANY	15,972
34	COLORADO	28,440	88	OREGON	15,790
35	MICHIGAN STATE	28,007	89	LOUISIANA STATE	15,731
36	SOUTHERN CALIFORNIA	26,954	90	SYRACUSE	15,650
37	KENTUCKY	26,637	91	TEMPLE	15,423
38	GEORGETOWN +	26,036	92	MASSACHUSETTS	15,312
39	WAYNE STATE	24,574	93	TULANE +	15,112
40	WASHINGTON STATE	24,356	94	RICE	14,816
41	CALIFORNIA, SANTA BARBARA	24,325	95	PURDUE +	14,331
42	FLORIDA +	24,191	96	HOUSTON +	14,198
43	ARIZONA	24,052	97	SUNY-STONY BROOK	13,998
44	CALIFORNIA, SAN DIEGO	23,566	98	CASE WESTERN RESERVE	13,945
45	EMORY	23,555	99	MCMASTER	13,914
46	PITTSBURGH	23,380	100	SASKATCHEWAN	13,912
47	MISSOURI	22,742	101	QUEEN'S +	13,662
48	NOTRE DAME +	22,642	102	CALIFORNIA, RIVERSIDE	13,296
49	SUNY-BUFFALO +	22,357	103	BROWN	13,278
50	NEW MEXICO	21,910	104	GUELPH	12,402
51	HOWARD +	21,559	105	MANITOBA	11,532
52	BRITISH COLUMBIA	21,478	106	GEORGIA TECH	11,524
53	MIT	21,259	107	ROCHESTER	10,922
54	IOWA STATE	21,058	108	KENT STATE	10,884

+ - Figure does not include government document serials

RANK ORDER TABLE 4: MICROFORM HOLDINGS

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	7,244,390	55	SUNY-STONY BROOK	3,296,892
2	CORNELL	6,507,593	56	TORONTO	3,275,052
3	ARIZONA STATE	6,176,776	57	SYRACUSE	3,273,792
4	WASHINGTON	6,070,069	58	QUEEN'S	3,226,144
5	VPI & SU	5,753,876	59	UTAH	3,212,250
6	NEW MEXICO	5,669,956	60	PENNSYLVANIA STATE	3,166,502
7	CALIFORNIA, LOS ANGELES	5,612,521	61	YORK	3,143,583
8	FLORIDA	5,586,785	62	PITTSBURGH	3,134,543
9	HAWAII	5,488,805	63	TENNESSEE	3,067,215
10	CALIFORNIA, BERKELEY	5,379,562	64	WESTERN ONTARIO	3,013,499
11	IOWA	5,346,476	65	DUKE	3,004,538
12	MISSOURI	5,334,134	66	ALABAMA	2,994,509
13	COLORADO	5,319,494	67	OKLAHOMA STATE	2,974,858
14	KENTUCKY	5,239,342	68	WASHINGTON STATE	2,959,044
15	GEORGIA	5,204,977	69	MIAMI	2,953,339
16	MICHIGAN	5,097,050	70	EMORY	2,938,130
17	TEXAS	5,062,330	71	NORTHWESTERN	2,898,653
18	MARYLAND	4,939,215	72	AUBURN	2,859,260
19	MINNESOTA	4,910,404	73	CINCINNATI	2,842,685
20	LOUISIANA STATE	4,891,220	74	PENNSYLVANIA	2,824,013
21	MICHIGAN STATE	4,883,791	75	KANSAS	2,797,658
22	RUTGERS	4,838,443	76	SUNY-ALBANY	2,717,879
23	COLUMBIA	4,809,185	77	IOWA STATE	2,679,719
24	YALE	4,671,945	78	SASKATCHEWAN	2,676,501
25	ARIZONA	4,624,724	79	DELAWARE	2,609,965
26	SUNY-BUFFALO	4,403,522	80	GEORGETOWN	2,605,469
27	TEXAS A&M	4,402,983	81	WASHINGTON U.-ST. LOUIS	2,576,767
28	STANFORD	4,263,916	82	JOHNS HOPKINS	2,562,936
29	BRITISH COLUMBIA	4,258,490	83	NOTRE DAME	2,427,039
30	FLORIDA STATE	4,253,629	84	CALIFORNIA, SAN DIEGO	2,416,367
31	VIRGINIA	4,224,549	85	DARTMOUTH	2,378,886
32	ILLINOIS, URBANA	4,177,679	86	TEMPLE	2,361,818
33	WISCONSIN	4,139,554	87	TULANE	2,346,152
34	SOUTHERN CALIFORNIA	4,090,605	88	VANDERBILT	2,270,969
35	SOUTH CAROLINA	4,075,413	89	RICE	2,201,349
36	ROCHESTER	4,020,435	90	COLORADO STATE	2,183,536
37	NORTH CAROLINA STATE	3,992,559	91	ILLINOIS, CHICAGO	2,181,074
38	CALIFORNIA, SANTA BARBARA	3,858,191	92	CASE WESTERN RESERVE	2,141,154
39	NEBRASKA	3,829,707	93	PURDUE	2,136,218
40	OHIO STATE	3,822,981	94	BRIGHAM YOUNG	2,130,758
41	NORTH CAROLINA	3,727,664	95	CALIFORNIA, IRVINE	2,069,713
42	HOUSTON	3,677,450	96	MASSACHUSETTS	2,062,096
43	SOUTHERN ILLINOIS	3,668,428	97	MIT	2,041,520
44	HOWARD	3,601,731	98	CHICAGO	2,039,956
45	GEORGIA TECH	3,572,250	99	OREGON	1,888,835
46	CONNECTICUT	3,559,323	100	CALIFORNIA, RIVERSIDE	1,537,680
47	ALBERTA	3,552,053	101	BROWN	1,442,662
48	INDIANA	3,442,457	102	GUELPH	1,376,653
49	PRINCETON	3,436,709	103	MCMASTER	1,374,621
50	NEW YORK	3,417,044	104	MCGILL	1,298,576
51	OKLAHOMA	3,394,894	105	MANITOBA	1,227,341
52	WAYNE STATE	3,346,213	106	WATERLOO	1,210,506
53	BOSTON	3,328,569	107	LAVAL	1,112,729
54	CALIFORNIA, DAVIS	3,315,050	108	KENT STATE	1,097,082

RANK ORDER TABLE 5: GOVERNMENT DOCUMENTS

Rank	Institution	Value	Rank	Institution	Value
1	MINNESOTA	2,935,222	55	SYRACUSE	276,802
2	RUTGERS	2,606,410	56	CALIFORNIA, SAN DIEGO	241,400
3	NORTH CAROLINA	1,856,980	57	EMORY	223,577
4	MISSOURI	1,704,804	58	TEMPLE	188,167
5	COLORADO	1,565,109	59	NOTRE DAME	171,666
6	DUKE	1,550,724	60	COLUMBIA	167,391
7	OKLAHOMA	1,338,171	61	SUNY-STONY BROOK	138,580
8	FLORIDA	1,199,462	62	OHIO STATE	130,860
9	KENTUCKY	1,160,314	63	CALIFORNIA, BERKELEY	109,390
10	ALABAMA	1,118,753	64	CALIFORNIA, DAVIS	96,868
11	IOWA	1,082,853	65	LOUISIANA STATE	86,624
12	YALE	1,016,907	66	CALIFORNIA, LOS ANGELES	69,843
13	QUEEN'S	981,192	67	TEXAS A&M	65,519
14	TULANE	952,348	68	STANFORD	35,696
15	GEORGIA	884,534	69	CASE WESTERN RESERVE	30,580
16	FLORIDA STATE	845,009	70	LAVAL	9,880
17	MCGILL	824,989	71	OKLAHOMA STATE	780
18	BRITISH COLUMBIA	813,099	72	PITTSBURGH	155
19	VIRGINIA	794,333	73	KENT STATE	137
20	SOUTH CAROLINA	741,789	74	HAWAII	0
21	TENNESSEE	739,907	74	MICHIGAN	0
22	UTAH	739,735	74	TEXAS	0
23	MARYLAND	730,303	74	MICHIGAN STATE	0
24	ARIZONA STATE	700,513	74	ARIZONA	0
25	CALIFORNIA, SANTA BARBARA	657,145	74	NORTH CAROLINA STATE	0
26	KANSAS	647,343	74	HOWARD	0
27	HOUSTON	637,781	74	GEORGIA TECH	0
28	ILLINOIS, CHICAGO	630,280	74	INDIANA	0
29	NEBRASKA	536,339	74	PRINCETON	0
30	SUNY-BUFFALO	530,000	74	PENNSYLVANIA STATE	0
31	ROCHESTER	526,995	74	YORK	0
32	MANITOBA	494,543	74	WESTERN ONTARIO	0
33	CALIFORNIA, IRVINE	489,577	74	NORTHWESTERN	0
34	SOUTHERN CALIFORNIA	485,210	74	SUNY-ALBANY	0
35	PURDUE	475,899	74	IOWA STATE	0
36	MIAMI	471,529	74	WASHINGTON U.-ST. LOUIS	0
37	OREGON	468,072	74	JOHNS HOPKINS	0
38	GEORGETOWN	435,436	74	DARTMOUTH	0
39	ALBERTA	427,971	74	MASSACHUSETTS	0
40	DELAWARE	408,145	74	MIT	0
41	AUBURN	393,725	74	BROWN	0
42	CINCINNATI	388,983	74	GUELPH	0
43	NEW YORK	386,556	74	MCMASTER	0
44	VPI & SU	377,674	74	WATERLOO	0
45	BRIGHAM YOUNG	369,754		HARVARD	U/A
46	SOUTHERN ILLINOIS	367,610		CORNELL	U/A
47	WAYNE STATE	365,988		WASHINGTON	U/A
48	CALIFORNIA, RIVERSIDE	350,823		ILLINOIS, URBANA	U/A
49	COLORADO STATE	322,044		CONNECTICUT	U/A
50	RICE	319,698		BOSTON	U/A
51	VANDERBILT	318,242		TORONTO	U/A
52	SASKATCHEWAN	293,609		WASHINGTON STATE	U/A
53	NEW MEXICO	283,030		PENNSYLVANIA	U/A
54	WISCONSIN	281,967		CHICAGO	U/A

U/A - Figure unavailable

RANK ORDER TABLE 6: MATERIALS EXPENDITURES

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	$14,378,067	55	BRIGHAM YOUNG	$4,527,122
2	YALE	11,460,000	56	OREGON	4,512,652
3	STANFORD	11,066,524	57	MARYLAND	4,495,534
4	MICHIGAN	10,664,110	58	HAWAII	4,418,527
5	CALIFORNIA, BERKELEY	10,469,495	59	IOWA STATE	4,343,507
6	TORONTO	9,117,090	60	DELAWARE	4,327,411
7	CALIFORNIA, LOS ANGELES	8,955,879	61	NEW MEXICO	4,315,339
8	COLUMBIA	8,711,720	62	NOTRE DAME	4,284,425
9	CORNELL	8,692,678	63	ILLINOIS, CHICAGO	4,162,242
10	MINNESOTA	8,065,114	64	HOUSTON	4,143,333
11	PENNSYLVANIA STATE	7,715,741	65	KENTUCKY	4,138,895
12	INDIANA	7,707,210	66	MCGILL	4,130,179
13	PRINCETON	7,687,612	67	FLORIDA STATE	4,101,110
14	ILLINOIS, URBANA	7,513,611	68	TENNESSEE	4,085,229
15	NORTH CAROLINA	7,446,495	69	WESTERN ONTARIO	4,029,646
16	DUKE	7,346,751	70	CALIFORNIA, IRVINE	4,005,699
17	WISCONSIN	7,246,709	71	PURDUE	3,998,423
18	WASHINGTON	7,058,250	72	ROCHESTER	3,992,899
19	PENNSYLVANIA	6,903,926	73	RICE	3,942,635
20	NEW YORK	6,849,538	74	DARTMOUTH	3,928,607
21	RUTGERS	6,835,251	75	NEBRASKA	3,925,855
22	PITTSBURGH	6,745,752	76	LAVAL	3,901,055
23	JOHNS HOPKINS	6,691,673	77	SUNY-STONY BROOK	3,895,457
24	ARIZONA STATE	6,663,669	78	TEMPLE	3,863,977
25	OHIO STATE	6,626,478	79	TULANE	3,858,575
26	VIRGINIA	6,467,287	80	BOSTON	3,841,523
27	TEXAS	6,429,359	81	AUBURN	3,801,081
28	EMORY	6,425,281	82	HOWARD	3,796,739
29	COLORADO	6,402,328	83	SOUTH CAROLINA	3,795,575
30	ARIZONA	6,306,870	84	CASE WESTERN RESERVE	3,794,502
31	CHICAGO	6,200,721	85	BROWN	3,786,987
32	SOUTHERN CALIFORNIA	6,191,999	86	OKLAHOMA	3,769,255
33	BRITISH COLUMBIA	6,185,305	87	MISSOURI	3,767,771
34	WASHINGTON U.-ST. LOUIS	5,939,304	88	MIT	3,717,766
35	GEORGIA	5,832,888	89	SOUTHERN ILLINOIS	3,689,890
36	IOWA	5,678,249	90	YORK	3,665,142
37	FLORIDA	5,671,794	91	COLORADO STATE	3,491,081
38	NORTHWESTERN	5,520,891	92	MCMASTER	3,482,962
39	KANSAS	5,250,698	93	QUEEN'S	3,380,886
40	GEORGETOWN	5,072,415	94	WATERLOO	3,371,985
41	CINCINNATI	5,043,940	95	CALIFORNIA, SANTA BARBARA	3,345,796
42	MIAMI	5,007,379	96	MASSACHUSETTS	3,327,015
43	WAYNE STATE	4,940,413	97	ALABAMA	3,317,378
44	ALBERTA	4,916,215	98	SYRACUSE	3,287,025
45	VPI & SU	4,840,115	99	SASKATCHEWAN	3,285,584
46	CALIFORNIA, SAN DIEGO	4,745,537	100	SUNY-ALBANY	3,186,770
47	TEXAS A&M	4,731,716	101	WASHINGTON STATE	3,146,295
48	CALIFORNIA, DAVIS	4,688,058	102	LOUISIANA STATE	2,978,662
49	MICHIGAN STATE	4,679,271	103	GEORGIA TECH	2,846,181
50	UTAH	4,669,032	104	CALIFORNIA, RIVERSIDE	2,807,846
51	CONNECTICUT	4,616,248	105	MANITOBA	2,751,575
52	NORTH CAROLINA STATE	4,615,933	106	OKLAHOMA STATE	2,729,135
53	VANDERBILT	4,582,129	107	KENT STATE	2,640,219
54	SUNY-BUFFALO	4,572,276	108	GUELPH	2,383,172

RANK ORDER TABLE 7: SALARIES & WAGES EXPENDITURES

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	$32,936,178	55	MIT	$6,072,424
2	CALIFORNIA, BERKELEY	19,407,482	56	WAYNE STATE	6,023,181
3	TORONTO	18,931,012	57	KENTUCKY	5,950,040
4	STANFORD	18,770,317	58	CINCINNATI	5,907,423
5	YALE	16,254,000	59	BRIGHAM YOUNG	5,876,572
6	CALIFORNIA, LOS ANGELES	15,210,445	60	COLORADO	5,841,266
7	COLUMBIA	14,768,373	61	VANDERBILT	5,830,272
8	RUTGERS	14,006,877	62	BROWN	5,746,492
9	MICHIGAN	13,423,891	63	UTAH	5,712,755
10	WISCONSIN	13,244,731	64	TEXAS A&M	5,683,928
11	CORNELL	13,103,071	65	MANITOBA	5,628,156
12	WASHINGTON	12,703,808	66	CALIFORNIA, SANTA BARBARA	5,588,429
13	TEXAS	12,516,852	67	TEMPLE	5,539,683
14	PENNSYLVANIA STATE	12,422,409	68	MIAMI	5,532,926
15	NEW YORK	11,888,812	69	MASSACHUSETTS	5,492,572
16	MINNESOTA	11,883,391	70	SUNY-STONY BROOK	5,474,879
17	PRINCETON	11,556,236	71	BOSTON	5,365,178
18	BRITISH COLUMBIA	11,177,478	72	TENNESSEE	5,305,028
19	INDIANA	10,785,838	73	IOWA STATE	5,266,929
20	ILLINOIS, URBANA	10,703,528	74	QUEEN'S	5,098,130
21	PENNSYLVANIA	10,200,233	75	PURDUE	5,070,271
22	NORTH CAROLINA	10,006,174	76	SOUTH CAROLINA	5,008,245
23	OHIO STATE	9,303,585	77	NORTH CAROLINA STATE	4,942,987
24	ALBERTA	9,118,669	78	DARTMOUTH	4,912,743
25	SOUTHERN CALIFORNIA	9,042,542	79	KENT STATE	4,862,833
26	CHICAGO	8,781,366	80	MCMASTER	4,812,621
27	DUKE	8,618,976	81	SYRACUSE	4,793,286
28	FLORIDA	8,552,526	82	WATERLOO	4,734,799
29	CALIFORNIA, SAN DIEGO	8,166,465	83	DELAWARE	4,730,470
30	MCGILL	8,160,700	84	NOTRE DAME	4,639,130
31	NORTHWESTERN	8,126,512	85	OREGON	4,566,465
32	VIRGINIA	8,125,699	86	WASHINGTON STATE	4,517,294
33	ARIZONA STATE	8,113,724	87	LOUISIANA STATE	4,465,790
34	CONNECTICUT	7,894,194	88	SOUTHERN ILLINOIS	4,452,653
35	MARYLAND	7,717,676	89	MISSOURI	4,444,479
36	PITTSBURGH	7,688,731	90	NEBRASKA	4,339,049
37	CALIFORNIA, DAVIS	7,592,713	91	VPI & SU	4,314,903
38	JOHNS HOPKINS	7,518,631	92	HOWARD	4,280,896
39	LAVAL	7,315,237	93	ROCHESTER	4,223,416
40	ARIZONA	7,271,866	94	CASE WESTERN RESERVE	4,107,198
41	GEORGETOWN	7,255,923	95	SASKATCHEWAN	4,009,056
42	IOWA	7,249,522	96	FLORIDA STATE	3,947,876
43	NEW MEXICO	7,232,917	97	SUNY-ALBANY	3,941,046
44	MICHIGAN STATE	6,871,084	98	GUELPH	3,867,390
45	WASHINGTON U.-ST. LOUIS	6,769,868	99	HOUSTON	3,832,372
46	HAWAII	6,684,769	100	RICE	3,821,930
47	YORK	6,618,370	101	ALABAMA	3,809,379
48	CALIFORNIA, IRVINE	6,567,455	102	CALIFORNIA, RIVERSIDE	3,749,884
49	SUNY-BUFFALO	6,553,598	103	AUBURN	3,741,256
50	GEORGIA	6,533,709	104	TULANE	3,565,340
51	WESTERN ONTARIO	6,466,104	105	OKLAHOMA	3,508,736
52	ILLINOIS, CHICAGO	6,362,891	106	COLORADO STATE	3,501,584
53	KANSAS	6,320,755	107	OKLAHOMA STATE	2,988,787
54	EMORY	6,295,346	108	GEORGIA TECH	2,473,197

RANK ORDER TABLE 8: OTHER OPERATING EXPENDITURES

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	$15,614,938	55	ROCHESTER	$1,682,625
2	MICHIGAN	5,848,345	56	BOSTON	1,670,777
3	EMORY	5,822,054	57	CINCINNATI	1,668,112
4	YALE	5,422,000	58	ALABAMA	1,642,327
5	STANFORD	5,306,286	59	YORK	1,618,114
6	CALIFORNIA, LOS ANGELES	4,968,768	60	SOUTH CAROLINA	1,594,115
7	DUKE	4,723,551	61	SYRACUSE	1,586,180
8	NEW YORK	4,676,003	62	DARTMOUTH	1,576,415
9	CALIFORNIA, BERKELEY	4,528,155	63	RUTGERS	1,515,530
10	CORNELL	4,465,948	64	WASHINGTON STATE	1,500,834
11	WISCONSIN	4,328,603	65	SUNY-ALBANY	1,479,823
12	COLUMBIA	3,792,367	66	IOWA STATE	1,465,141
13	JOHNS HOPKINS	3,466,127	67	OKLAHOMA	1,423,882
14	MINNESOTA	3,401,297	68	TEMPLE	1,405,152
15	PENNSYLVANIA	3,249,601	69	MISSOURI	1,368,901
16	TEXAS	3,236,282	70	FLORIDA	1,357,437
17	PRINCETON	3,135,265	71	SUNY-BUFFALO	1,355,269
18	ILLINOIS, URBANA	3,080,243	72	MASSACHUSETTS	1,353,236
19	NORTH CAROLINA	3,079,722	73	LOUISIANA STATE	1,276,148
20	INDIANA	2,867,783	74	MICHIGAN STATE	1,271,348
21	BROWN	2,818,950	75	VPI & SU	1,270,332
22	WASHINGTON	2,817,946	76	TENNESSEE	1,268,693
23	NEW MEXICO	2,736,219	77	ALBERTA	1,255,159
24	OHIO STATE	2,719,484	78	AUBURN	1,241,745
25	ARIZONA	2,658,388	79	MCGILL	1,222,639
26	WASHINGTON U-ST. LOUIS	2,657,782	80	PURDUE	1,211,615
27	TEXAS A&M	2,469,615	81	RICE	1,200,859
28	CHICAGO	2,449,505	82	SOUTHERN ILLINOIS	1,193,280
29	MIAMI	2,418,865	83	CALIFORNIA, DAVIS	1,168,680
30	PENNSYLVANIA STATE	2,417,297	84	TULANE	1,164,107
31	GEORGETOWN	2,397,477	85	OREGON	1,131,407
32	PITTSBURGH	2,376,855	86	TORONTO	1,112,436
33	SOUTHERN CALIFORNIA	2,330,287	87	SUNY-STONY BROOK	1,080,721
34	NORTH CAROLINA STATE	2,305,740	88	KENT STATE	1,051,151
35	OKLAHOMA STATE	2,286,189	89	NEBRASKA	1,015,920
36	NORTHWESTERN	2,273,290	90	NOTRE DAME	941,908
37	VANDERBILT	2,247,754	91	KENTUCKY	935,189
38	UTAH	2,242,714	92	GEORGIA TECH	886,990
39	VIRGINIA	2,105,813	93	DELAWARE	838,844
40	MARYLAND	2,082,712	94	CASE WESTERN RESERVE	828,257
41	ARIZONA STATE	2,058,787	95	COLORADO	778,651
42	CALIFORNIA, SANTA BARBARA	2,011,340	96	MANITOBA	766,190
43	IOWA	1,983,755	97	COLORADO STATE	693,394
44	BRITISH COLUMBIA	1,972,728	98	WATERLOO	646,559
45	CALIFORNIA, SAN DIEGO	1,919,883	99	FLORIDA STATE	640,895
46	KANSAS	1,918,143	100	LAVAL	633,986
47	CONNECTICUT	1,861,481	101	CALIFORNIA, RIVERSIDE	589,819
48	HOUSTON	1,854,624	102	WESTERN ONTARIO	561,747
49	BRIGHAM YOUNG	1,848,304	103	HAWAII	561,242
50	GEORGIA	1,791,159	104	HOWARD	535,432
51	ILLINOIS, CHICAGO	1,770,369	105	MCMASTER	497,685
52	CALIFORNIA, IRVINE	1,768,166	106	SASKATCHEWAN	444,975
53	WAYNE STATE	1,695,835	107	QUEEN'S	444,395
54	MIT	1,689,515	108	GUELPH	322,891

RANK ORDER TABLE 9: TOTAL LIBRARY EXPENDITURES

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	$63,923,050	55	SUNY-BUFFALO	$12,641,639
2	STANFORD	35,630,950	56	BROWN	12,565,530
3	CALIFORNIA, BERKELEY	35,278,578	57	CALIFORNIA, IRVINE	12,534,724
4	YALE	33,487,000	58	ILLINOIS, CHICAGO	12,432,682
5	MICHIGAN	30,252,302	59	BRIGHAM YOUNG	12,421,409
6	CALIFORNIA, LOS ANGELES	29,676,567	60	YORK	12,044,922
7	TORONTO	29,439,327	61	NORTH CAROLINA STATE	11,986,206
8	COLUMBIA	27,915,579	62	LAVAL	11,931,933
9	CORNELL	26,480,063	63	HAWAII	11,904,522
10	WISCONSIN	25,069,946	64	MIT	11,660,608
11	MINNESOTA	23,869,764	65	WESTERN ONTARIO	11,203,107
12	NEW YORK	23,848,785	66	IOWA STATE	11,174,259
13	PENNSYLVANIA STATE	23,031,780	67	CALIFORNIA, SANTA BARBARA	11,171,957
14	PRINCETON	22,859,857	68	KENTUCKY	11,150,830
15	WASHINGTON	22,818,111	69	BOSTON	11,054,361
16	RUTGERS	22,673,554	70	TEMPLE	10,962,486
17	TEXAS	22,387,342	71	TENNESSEE	10,820,032
18	INDIANA	21,633,483	72	VPI & SU	10,603,537
19	ILLINOIS, URBANA	21,534,639	73	DARTMOUTH	10,580,296
20	DUKE	20,928,982	74	SOUTH CAROLINA	10,548,997
21	NORTH CAROLINA	20,744,310	75	SUNY-STONY BROOK	10,471,053
22	PENNSYLVANIA	20,655,506	76	PURDUE	10,414,675
23	BRITISH COLUMBIA	19,523,225	77	OREGON	10,354,162
24	OHIO STATE	18,917,677	78	MASSACHUSETTS	10,316,926
25	EMORY	18,690,710	79	ROCHESTER	10,055,711
26	CHICAGO	17,875,544	80	DELAWARE	10,040,679
27	JOHNS HOPKINS	17,810,895	81	NOTRE DAME	9,994,220
28	SOUTHERN CALIFORNIA	17,780,180	82	HOUSTON	9,925,683
29	PITTSBURGH	17,151,635	83	SYRACUSE	9,751,753
30	ARIZONA STATE	17,025,340	84	MISSOURI	9,704,964
31	VIRGINIA	16,977,827	85	SOUTHERN ILLINOIS	9,507,823
32	ARIZONA	16,497,643	86	NEBRASKA	9,445,174
33	NORTHWESTERN	16,119,684	87	MANITOBA	9,277,830
34	FLORIDA	15,779,580	88	WASHINGTON STATE	9,259,789
35	WASHINGTON U -ST. LOUIS	15,517,047	89	QUEEN'S	9,061,422
36	ALBERTA	15,425,722	90	RICE	9,050,797
37	IOWA	15,094,605	91	LOUISIANA STATE	8,924,642
38	CALIFORNIA, SAN DIEGO	15,077,945	92	AUBURN	8,910,670
39	GEORGETOWN	14,930,942	93	FLORIDA STATE	8,906,140
40	CONNECTICUT	14,630,057	94	ALABAMA	8,905,081
41	MARYLAND	14,473,453	95	MCMASTER	8,884,630
42	GEORGIA	14,455,400	96	CASE WESTERN RESERVE	8,852,750
43	NEW MEXICO	14,453,182	97	WATERLOO	8,832,233
44	CALIFORNIA, DAVIS	13,787,945	98	OKLAHOMA	8,795,406
45	MCGILL	13,704,719	99	HOWARD	8,744,865
46	KANSAS	13,696,701	100	TULANE	8,742,551
47	COLORADO	13,206,606	101	SUNY-ALBANY	8,697,243
48	MIAMI	13,105,722	102	KENT STATE	8,646,169
49	MICHIGAN STATE	13,078,052	103	OKLAHOMA STATE	8,085,159
50	TEXAS A&M	13,005,235	104	COLORADO STATE	7,831,059
51	UTAH	12,890,250	105	SASKATCHEWAN	7,789,282
52	VANDERBILT	12,813,764	106	CALIFORNIA, RIVERSIDE	7,304,558
53	WAYNE STATE	12,784,470	107	GUELPH	6,666,777
54	CINCINNATI	12,767,348	108	GEORGIA TECH	6,284,966

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RANK ORDER TABLE 10: MONOGRAPHS PURCHASED (VOLUMES)

Rank	Institution	Value	Rank	Institution	Value
1	CALIFORNIA, LOS ANGELES	146,754	55	ILLINOIS, CHICAGO	24,193
2	YALE	112,214	56	CALIFORNIA, RIVERSIDE	24,092
3	TORONTO	111,811	57	MCMASTER	23,456
4	ILLINOIS, URBANA	96,414	58	SUNY-STONY BROOK	23,272
5	PRINCETON	73,699	59	TEMPLE	23,205
6	WISCONSIN	72,940	60	DARTMOUTH	23,091
7	CHICAGO	71,245	61	CONNECTICUT	22,784
8	SOUTHERN CALIFORNIA	63,179	62	TEXAS A&M	22,733
9	BRITISH COLUMBIA	62,032	63	MCGILL	22,552
10	CALIFORNIA, SAN DIEGO	60,522	64	WASHINGTON U.-ST. LOUIS	22,354
11	NORTH CAROLINA	60,253	65	CALIFORNIA, IRVINE	22,308
12	VIRGINIA	60,009	66	COLORADO STATE	22,076
13	ARIZONA	56,800	67	ALABAMA	21,215
14	ARIZONA STATE	55,403	68	IOWA STATE	20,969
15	TEXAS	50,343	69	NORTH CAROLINA STATE	20,622
16	OHIO STATE	50,053	70	WATERLOO	20,612
17	BRIGHAM YOUNG	49,213	71	MISSOURI	20,201
18	KANSAS	49,002	72	BOSTON	19,932
19	PENNSYLVANIA	48,861	73	QUEEN'S	19,817
20	COLORADO	46,529	74	MIT	19,540
21	NEW YORK	46,172	75	SUNY-ALBANY	18,974
22	IOWA	39,754	76	ROCHESTER	18,844
23	GEORGIA	39,730	77	SOUTHERN ILLINOIS	18,771
24	JOHNS HOPKINS	39,153	78	GEORGETOWN	18,480
25	DUKE	38,526	79	SASKATCHEWAN	18,435
26	MICHIGAN STATE	35,907	80	NEBRASKA	18,406
27	RUTGERS	35,543	81	OKLAHOMA STATE	17,753
28	KENT STATE	34,683	82	GUELPH	17,221
29	MIAMI	34,624	83	OKLAHOMA	16,961
30	WAYNE STATE	33,924	84	SYRACUSE	16,640
31	TENNESSEE	33,379	85	MANITOBA	15,940
32	MARYLAND	33,127	86	PURDUE	15,016
33	NOTRE DAME	32,901	87	CASE WESTERN RESERVE	13,597
34	LOUISIANA STATE	32,234	88	KENTUCKY	13,394
35	WESTERN ONTARIO	32,165	89	HOWARD	11,678
36	NEW MEXICO	31,550	90	GEORGIA TECH	10,057
37	WASHINGTON	31,546		HARVARD	U/A
38	DELAWARE	30,520		STANFORD	U/A
39	RICE	30,004		CALIFORNIA, BERKELEY	U/A
40	AUBURN	29,125		MICHIGAN	U/A
41	HOUSTON	29,021		COLUMBIA	U/A
42	TULANE	29,016		CORNELL	U/A
43	ALBERTA	28,972		MINNESOTA	U/A
44	SOUTH CAROLINA	28,852		PENNSYLVANIA STATE	U/A
45	OREGON	27,546		INDIANA	U/A
46	MASSACHUSETTS	27,041		EMORY	U/A
47	VPI & SU	27,021		PITTSBURGH	U/A
48	CINCINNATI	26,444		NORTHWESTERN	U/A
49	WASHINGTON STATE	26,412		CALIFORNIA, DAVIS	U/A
50	BROWN	26,246		UTAH	U/A
51	SUNY-BUFFALO	25,875		VANDERBILT	U/A
52	FLORIDA	25,360		YORK	U/A
53	LAVAL	25,321		HAWAII	U/A
54	CALIFORNIA, SANTA BARBARA	24,832		FLORIDA STATE	U/A

U/A - Figure unavailable

RANK ORDER TABLE 11: EXPENDITURES FOR MONOGRAPHS

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	$6,019,665	55	TEXAS A&M	$1,309,807
2	STANFORD	5,586,391	56	CINCINNATI	1,255,331
3	CALIFORNIA, BERKELEY	5,062,957	57	AUBURN	1,254,433
4	TORONTO	4,391,584	58	IOWA STATE	1,249,255
5	MICHIGAN	4,061,659	59	DARTMOUTH	1,238,917
6	CALIFORNIA, LOS ANGELES	3,912,314	60	HOUSTON	1,237,894
7	COLUMBIA	3,619,936	61	CALIFORNIA, DAVIS	1,235,988
8	YALE	3,513,000	62	SOUTH CAROLINA	1,235,154
9	PRINCETON	3,394,635	63	TULANE	1,222,580
10	CORNELL	3,390,144	64	WATERLOO	1,205,543
11	ILLINOIS, URBANA	2,974,385	65	FLORIDA	1,197,924
12	INDIANA	2,783,236	66	MISSOURI	1,195,843
13	PENNSYLVANIA STATE	2,650,708	67	CALIFORNIA, IRVINE	1,186,679
14	CHICAGO	2,590,177	68	VPI & SU	1,169,036
15	DUKE	2,510,929	69	TENNESSEE	1,164,958
16	BRITISH COLUMBIA	2,497,934	70	OREGON	1,159,307
17	ARIZONA STATE	2,461,989	71	SUNY-BUFFALO	1,142,398
18	WISCONSIN	2,419,644	72	WASHINGTON U.-ST. LOUIS	1,134,191
19	NEW YORK	2,410,832	73	MCGILL	1,129,545
20	NORTH CAROLINA	2,332,491	74	CALIFORNIA, SANTA BARBARA	1,126,379
21	PITTSBURGH	2,307,412	75	CALIFORNIA, RIVERSIDE	1,109,567
22	MARYLAND	2,306,688	76	COLORADO STATE	1,091,191
23	PENNSYLVANIA	2,279,486	77	CONNECTICUT	1,089,126
24	ARIZONA	2,261,265	78	TEMPLE	1,061,370
25	MINNESOTA	2,246,867	79	QUEEN'S	1,052,406
26	EMORY	2,208,274	80	FLORIDA STATE	1,026,778
27	SOUTHERN CALIFORNIA	2,167,240	81	ROCHESTER	998,674
28	WAYNE STATE	2,116,788	82	LAVAL	978,054
29	VIRGINIA	2,109,010	83	WESTERN ONTARIO	975,533
30	TEXAS	2,078,433	84	MASSACHUSETTS	973,787
31	DELAWARE	2,040,325	85	MCMASTER	964,100
32	KANSAS	2,003,322	86	ILLINOIS, CHICAGO	942,724
33	OHIO STATE	1,952,213	87	LOUISIANA STATE	924,635
34	COLORADO	1,937,502	88	BOSTON	924,590
35	WASHINGTON	1,932,813	89	MIT	897,948
36	HAWAII	1,877,820	90	SUNY-STONY BROOK	882,376
37	GEORGIA	1,747,236	91	NEW MEXICO	863,209
38	IOWA	1,721,507	92	ALABAMA	841,889
39	RUTGERS	1,700,714	93	NEBRASKA	839,871
40	BRIGHAM YOUNG	1,670,743	94	SOUTHERN ILLINOIS	831,428
41	NORTHWESTERN	1,613,856	95	OKLAHOMA	778,828
42	MICHIGAN STATE	1,605,927	96	KENT STATE	770,473
43	JOHNS HOPKINS	1,602,086	97	GEORGIA TECH	769,965
44	BROWN	1,543,031	98	PURDUE	767,438
45	UTAH	1,521,750	99	SYRACUSE	760,353
46	YORK	1,494,459	100	SASKATCHEWAN	745,842
47	CALIFORNIA, SAN DIEGO	1,490,267	101	SUNY-ALBANY	724,968
48	NOTRE DAME	1,484,455	102	GUELPH	709,406
49	ALBERTA	1,439,077	103	CASE WESTERN RESERVE	674,268
50	NORTH CAROLINA STATE	1,430,023	104	OKLAHOMA STATE	670,581
51	RICE	1,399,556	105	KENTUCKY	661,217
52	GEORGETOWN	1,393,046	106	MANITOBA	656,236
53	VANDERBILT	1,373,530	107	WASHINGTON STATE	652,267
54	MIAMI	1,311,667	108	HOWARD	509,930

RANK ORDER TABLE 12: SERIALS PURCHASED (SUBSCRIPTIONS)

Rank	Institution	Value	Rank	Institution	Value
1	COLUMBIA	41,288	55	PURDUE	12,417
2	MICHIGAN	36,219	56	CALIFORNIA, SANTA BARBARA	12,334
3	WISCONSIN	35,315	57	NEBRASKA	12,220
4	MINNESOTA	34,741	58	MISSOURI	12,186
5	TORONTO	31,511	59	LAVAL	12,137
6	PRINCETON	28,053	60	CASE WESTERN RESERVE	11,834
7	INDIANA	27,728	61	OREGON	11,277
8	NEW YORK	27,673	62	TEMPLE	11,189
9	TEXAS	27,512	63	MASSACHUSETTS	10,579
10	OHIO STATE	24,131	64	ALABAMA	10,498
11	GEORGETOWN	24,024	65	BROWN	10,287
12	HAWAII	23,325	66	MCMASTER	10,233
13	PENNSYLVANIA STATE	23,287	67	MANITOBA	10,202
14	ARIZONA STATE	22,499	68	ROCHESTER	10,025
15	VIRGINIA	22,440	69	BRIGHAM YOUNG	10,021
16	NORTH CAROLINA	22,077	70	LOUISIANA STATE	9,739
17	ARIZONA	19,461	71	RICE	9,134
18	HOWARD	19,364	72	COLORADO STATE	8,883
19	FLORIDA	19,302	73	SASKATCHEWAN	8,798
20	KANSAS	19,119	74	MIT	8,775
21	DELAWARE	17,899	75	NORTH CAROLINA STATE	8,755
22	CONNECTICUT	17,886	76	AUBURN	8,336
23	CALIFORNIA, SAN DIEGO	17,787	77	SUNY-STONY BROOK	8,099
24	IOWA	17,528	78	GUELPH	7,653
25	VPI & SU	17,516	79	KENT STATE	7,633
26	WASHINGTON U-ST. LOUIS	17,369	80	CALIFORNIA, RIVERSIDE	7,430
27	BOSTON	17,355	81	GEORGIA TECH	5,698
28	COLORADO	17,211		HARVARD	U/A
29	SUNY-BUFFALO	17,189		STANFORD	U/A
30	SOUTHERN ILLINOIS	17,071		CALIFORNIA, BERKELEY	U/A
31	EMORY	16,787		CALIFORNIA, LOS ANGELES	U/A
32	OKLAHOMA	16,552		YALE	U/A
33	WAYNE STATE	16,331		CORNELL	U/A
34	BRITISH COLUMBIA	16,258		ILLINOIS, URBANA	U/A
35	MARYLAND	16,162		CHICAGO	U/A
36	TENNESSEE	15,942		DUKE	U/A
37	DARTMOUTH	15,813		PITTSBURGH	U/A
38	JOHNS HOPKINS	15,583		PENNSYLVANIA	U/A
39	MIAMI	15,112		SOUTHERN CALIFORNIA	U/A
40	WATERLOO	15,075		WASHINGTON	U/A
41	ILLINOIS, CHICAGO	15,072		GEORGIA	U/A
42	VANDERBILT	14,840		RUTGERS	U/A
43	ALBERTA	14,615		NORTHWESTERN	U/A
44	UTAH	14,584		YORK	U/A
45	IOWA STATE	14,233		NOTRE DAME	U/A
46	KENTUCKY	13,899		CINCINNATI	U/A
47	NEW MEXICO	13,786		CALIFORNIA, DAVIS	U/A
48	TEXAS A&M	13,639		SOUTH CAROLINA	U/A
49	MICHIGAN STATE	13,608		CALIFORNIA, IRVINE	U/A
50	TULANE	13,576		FLORIDA STATE	U/A
51	HOUSTON	13,384		SYRACUSE	U/A
52	WESTERN ONTARIO	12,935		SUNY-ALBANY	U/A
53	QUEEN'S	12,914		OKLAHOMA STATE	U/A
54	MCGILL	12,569		WASHINGTON STATE	U/A

U/A Figure unavailable

RANK ORDER TABLE 13: EXPENDITURES FOR SERIALS

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	$6,098,550	55	CASE WESTERN RESERVE	$2,892,898
2	MICHIGAN	6,020,384	56	VPI & SU	2,886,055
3	STANFORD	5,480,133	57	NEBRASKA	2,872,015
4	CALIFORNIA, BERKELEY	5,406,538	58	CALIFORNIA, DAVIS	2,871,475
5	MINNESOTA	5,146,963	59	NEW MEXICO	2,870,546
6	WASHINGTON	5,030,100	60	LAVAL	2,853,521
7	COLUMBIA	4,978,605	61	SUNY-BUFFALO	2,840,661
8	YALE	4,804,000	62	KENTUCKY	2,812,258
9	TORONTO	4,725,506	63	TENNESSEE	2,766,415
10	PENNSYLVANIA STATE	4,586,017	64	ROCHESTER	2,745,466
11	OHIO STATE	4,570,103	65	IOWA STATE	2,720,353
12	RUTGERS	4,336,901	66	OKLAHOMA	2,719,542
13	CALIFORNIA, LOS ANGELES	4,295,236	67	TEMPLE	2,716,264
14	CORNELL	4,259,412	68	BOSTON	2,630,382
15	WISCONSIN	4,086,815	69	WAYNE STATE	2,615,687
16	ILLINOIS, URBANA	4,063,472	70	MCGILL	2,608,128
17	DUKE	3,988,579	71	OREGON	2,558,342
18	NORTH CAROLINA	3,857,998	72	SASKATCHEWAN	2,533,367
19	PENNSYLVANIA	3,851,529	73	MCMASTER	2,485,419
20	NEW YORK	3,817,169	74	DARTMOUTH	2,440,480
21	PITTSBURGH	3,803,668	75	CALIFORNIA, IRVINE	2,439,756
22	SOUTHERN CALIFORNIA	3,707,884	76	WASHINGTON STATE	2,433,573
23	BRITISH COLUMBIA	3,687,371	77	MIT	2,429,923
24	TEXAS	3,677,907	78	SUNY-STONY BROOK	2,426,521
25	WASHINGTON U.-ST. LOUIS	3,675,124	79	ALABAMA	2,421,473
26	VIRGINIA	3,594,076	80	MISSOURI	2,418,517
27	INDIANA	3,569,969	81	AUBURN	2,416,615
28	CHICAGO	3,561,579	82	BRIGHAM YOUNG	2,409,544
29	COLORADO	3,560,773	83	HOUSTON	2,378,036
30	CINCINNATI	3,447,242	84	SYRACUSE	2,360,486
31	FLORIDA	3,417,620	85	SOUTHERN ILLINOIS	2,360,408
32	GEORGIA	3,383,746	86	HAWAII	2,319,664
33	ALBERTA	3,377,588	87	QUEEN'S	2,305,934
34	NORTHWESTERN	3,334,240	88	SOUTH CAROLINA	2,298,630
35	MIAMI	3,238,842	89	NORTH CAROLINA STATE	2,288,264
36	PURDUE	3,230,985	90	DELAWARE	2,287,086
37	HOWARD	3,165,331	91	TULANE	2,245,563
38	TEXAS A&M	3,159,915	92	BROWN	2,243,956
39	UTAH	3,147,282	93	CALIFORNIA, SANTA BARBARA	2,219,417
40	JOHNS HOPKINS	3,129,769	94	NOTRE DAME	2,212,213
41	ARIZONA STATE	3,104,102	95	MASSACHUSETTS	2,191,008
42	GEORGETOWN	3,096,202	96	RICE	2,185,514
43	ARIZONA	3,092,117	97	WATERLOO	2,166,442
44	IOWA	3,071,462	98	YORK	2,093,179
45	WESTERN ONTARIO	3,054,113	99	MANITOBA	2,041,649
46	KANSAS	2,999,669	100	LOUISIANA STATE	2,027,677
47	CALIFORNIA, SAN DIEGO	2,994,748	101	COLORADO STATE	1,976,492
48	PRINCETON	2,993,898	102	GEORGIA TECH	1,941,028
49	MICHIGAN STATE	2,988,700	103	MARYLAND	1,919,572
50	ILLINOIS, CHICAGO	2,970,849	104	SUNY-ALBANY	1,882,904
51	CONNECTICUT	2,970,700	105	OKLAHOMA STATE	1,882,152
52	VANDERBILT	2,966,156	106	KENT STATE	1,698,642
53	FLORIDA STATE	2,942,211	107	GUELPH	1,659,357
54	EMORY	2,932,091	108	CALIFORNIA, RIVERSIDE	1,538,472

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RANK ORDER TABLE 14: TOTAL ITEMS LOANED

Rank	Institution	Value	Rank	Institution	Value
1	MINNESOTA	239,923	55	TENNESSEE	24,039
2	ILLINOIS, CHICAGO	97,085	56	NORTH CAROLINA STATE	23,934
3	WISCONSIN	95,631	57	BRIGHAM YOUNG	23,805
4	CALIFORNIA, LOS ANGELES	86,459	58	PENNSYLVANIA	23,248
5	ALBERTA	74,310	59	MIT	22,789
6	WASHINGTON	69,610	60	MARYLAND	22,454
7	ILLINOIS, URBANA	66,734	61	MCGILL	22,225
8	INDIANA	61,581	62	CALIFORNIA, IRVINE	21,960
9	CALIFORNIA, BERKELEY	57,156	63	ARIZONA STATE	21,849
10	HARVARD	52,862	64	HOUSTON	21,512
11	CHICAGO	49,911	65	OKLAHOMA STATE	20,338
12	FLORIDA	48,894	66	RUTGERS	20,068
13	VIRGINIA	48,846	67	SOUTH CAROLINA	19,942
14	IOWA	48,821	68	CORNELL	19,645
15	CASE WESTERN RESERVE	47,222	69	MANITOBA	19,527
16	KANSAS	43,150	70	AUBURN	19,385
17	WAYNE STATE	40,945	71	MICHIGAN STATE	19,202
18	CINCINNATI	40,303	72	PRINCETON	18,990
19	SUNY-BUFFALO	40,211	73	SUNY-ALBANY	18,483
20	NORTH CAROLINA	40,009	74	TORONTO	18,220
21	MICHIGAN	39,635	75	OREGON	18,034
22	CONNECTICUT	38,553	76	MCMASTER	17,862
23	MISSOURI	38,428	77	STANFORD	17,720
24	GEORGIA	38,161	78	MASSACHUSETTS	17,400
25	DUKE	37,729	79	NOTRE DAME	17,301
26	FLORIDA STATE	37,625	80	PURDUE	16,353
27	PENNSYLVANIA STATE	37,162	81	KENT STATE	16,325
28	SUNY-STONY BROOK	36,144	82	VANDERBILT	15,696
29	CALIFORNIA, DAVIS	35,931	83	NEW YORK	15,549
30	TEXAS A&M	35,882	84	DARTMOUTH	15,123
31	KENTUCKY	35,631	85	YORK	14,949
32	TEXAS	34,916	86	BOSTON	14,651
33	ARIZONA	34,834	87	YALE	14,450
34	WASHINGTON U-ST. LOUIS	33,729	88	LOUISIANA STATE	14,207
35	PITTSBURGH	33,686	89	DELAWARE	13,190
36	SOUTHERN ILLINOIS	33,652	90	GEORGETOWN	12,836
37	COLORADO STATE	33,616	90	TULANE	12,836
38	BRITISH COLUMBIA	33,513	92	GEORGIA TECH	12,682
39	COLUMBIA	33,230	93	CALIFORNIA, SANTA BARBARA	12,596
40	COLORADO	32,318	94	ALABAMA	12,573
41	MIAMI	32,307	95	NEBRASKA	12,276
42	EMORY	31,849	96	BROWN	12,144
43	NORTHWESTERN	30,956	97	TEMPLE	11,476
44	JOHNS HOPKINS	30,844	98	CALIFORNIA, RIVERSIDE	11,187
45	OKLAHOMA	30,459	99	SOUTHERN CALIFORNIA	10,938
46	OHIO STATE	30,279	100	SASKATCHEWAN	10,733
47	UTAH	29,401	101	SYRACUSE	10,339
48	CALIFORNIA, SAN DIEGO	27,624	102	WESTERN ONTARIO	9,725
49	ROCHESTER	26,078	103	QUEEN'S	8,804
50	NEW MEXICO	25,458	104	WATERLOO	7,672
51	VPI & SU	25,040	105	HAWAII	7,339
52	LAVAL	24,853	106	RICE	6,971
53	WASHINGTON STATE	24,815	107	GUELPH	2,455
54	IOWA STATE	24,546	108	HOWARD	1,123

RANK ORDER TABLE 15: TOTAL ITEMS BORROWED

Rank	Institution	Value	Rank	Institution	Value
1	ILLINOIS, CHICAGO	74,719	55	IOWA	13,984
2	ILLINOIS, URBANA	62,058	56	CALIFORNIA, LOS ANGELES	13,956
3	INDIANA	32,013	57	DARTMOUTH	13,939
4	PENNSYLVANIA	29,032	58	ARIZONA	13,817
5	ALBERTA	26,928	59	ROCHESTER	13,626
6	WASHINGTON U.-ST. LOUIS	26,272	60	MIAMI	13,595
7	OHIO STATE	25,598	61	YALE	13,572
8	SOUTH CAROLINA	24,098	62	COLORADO	13,162
9	OKLAHOMA	23,789	63	DUKE	12,990
10	VIRGINIA	23,701	64	PURDUE	12,949
11	CALIFORNIA, SAN DIEGO	23,283	65	BROWN	12,695
12	NORTHWESTERN	23,146	66	OKLAHOMA STATE	12,652
13	COLORADO STATE	22,796	67	CASE WESTERN RESERVE	12,571
14	MICHIGAN	21,868	68	CALIFORNIA, DAVIS	12,452
15	NEW MEXICO	21,835	69	SUNY-BUFFALO	11,959
16	WISCONSIN	21,549	70	VANDERBILT	11,652
17	KENTUCKY	21,548	71	SUNY-ALBANY	11,385
18	TEXAS A&M	21,217	72	MANITOBA	11,330
19	JOHNS HOPKINS	21,028	73	TULANE	11,153
20	KENT STATE	20,838	74	FLORIDA	11,005
21	BRIGHAM YOUNG	20,436	75	STANFORD	10,505
22	CALIFORNIA, IRVINE	20,421	76	QUEEN'S	10,259
23	PENNSYLVANIA STATE	20,184	77	OREGON	9,933
24	CALIFORNIA, BERKELEY	19,616	78	MARYLAND	9,665
25	CONNECTICUT	19,427	79	WASHINGTON	9,643
26	TEXAS	19,322	80	WAYNE STATE	9,564
27	KANSAS	19,307	81	NOTRE DAME	9,374
28	TENNESSEE	19,044	82	NORTH CAROLINA	9,304
29	NEW YORK	18,202	83	ALABAMA	9,254
30	UTAH	17,753	84	TEMPLE	9,228
31	CALIFORNIA, SANTA BARBARA	17,648	85	GEORGIA	9,174
32	ARIZONA STATE	17,643	86	PRINCETON	9,070
33	MISSOURI	17,034	87	MCMASTER	8,726
34	CALIFORNIA, RIVERSIDE	16,729	88	SYRACUSE	8,516
35	BRITISH COLUMBIA	16,335	89	MASSACHUSETTS	8,416
36	BOSTON	16,317	90	DELAWARE	8,391
37	MICHIGAN STATE	16,312	91	SUNY-STONY BROOK	8,307
38	MINNESOTA	15,909	92	IOWA STATE	8,297
39	HARVARD	15,881	93	MCGILL	8,061
40	LAVAL	15,511	94	TORONTO	7,818
41	RUTGERS	15,502	95	NORTH CAROLINA STATE	7,219
42	FLORIDA STATE	15,409	96	LOUISIANA STATE	7,204
43	CORNELL	15,306	97	MIT	6,088
44	NEBRASKA	15,270	98	GEORGETOWN	5,964
45	SOUTHERN CALIFORNIA	15,066	99	HAWAII	5,751
46	CHICAGO	14,698	100	RICE	5,060
47	EMORY	14,642	101	WASHINGTON STATE	4,640
48	CINCINNATI	14,543	102	WATERLOO	4,605
49	COLUMBIA	14,526	103	AUBURN	4,298
50	HOUSTON	14,491	104	GUELPH	4,044
51	PITTSBURGH	14,308	105	WESTERN ONTARIO	3,750
52	SASKATCHEWAN	14,121	106	YORK	3,483
53	SOUTHERN ILLINOIS	14,117	107	GEORGIA TECH	3,317
54	VPI & SU	14,007	108	HOWARD	675

RANK ORDER TABLE 16: PROFESSIONAL STAFF (FTE)

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	395	55	TEMPLE	73
2	YALE	191	56	SOUTH CAROLINA	69
3	CALIFORNIA, BERKELEY	178	57	SYRACUSE	68
4	COLUMBIA	170	58	LAVAL	67
5	STANFORD	163	58	ROCHESTER	67
6	TORONTO	158	60	ALBERTA	66
7	ILLINOIS, URBANA	152	60	TENNESSEE	66
8	WISCONSIN	150	60	PURDUE	66
9	NEW YORK	149	60	ALABAMA	66
10	TEXAS	144	64	CONNECTICUT	65
11	INDIANA	142	64	UTAH	65
12	MICHIGAN	140	66	MICHIGAN STATE	64
13	CORNELL	132	67	BOSTON	62
13	WASHINGTON	132	67	COLORADO	62
15	PENNSYLVANIA STATE	126	69	CASE WESTERN RESERVE	61
16	PRINCETON	125	69	HAWAII	61
17	NORTH CAROLINA	120	71	NORTH CAROLINA STATE	60
18	CALIFORNIA, LOS ANGELES	116	72	MISSOURI	58
19	NORTHWESTERN	110	73	CALIFORNIA, IRVINE	57
19	FLORIDA	110	74	NEBRASKA	56
21	PENNSYLVANIA	108	74	MANITOBA	56
22	RUTGERS	107	74	HOWARD	56
23	MINNESOTA	104	77	FLORIDA STATE	55
23	SOUTHERN CALIFORNIA	104	78	TULANE	54
23	DUKE	104	79	CALIFORNIA, DAVIS	53
23	MARYLAND	104	79	GEORGIA TECH	53
27	OHIO STATE	103	81	DARTMOUTH	52
27	BRITISH COLUMBIA	103	81	DELAWARE	52
29	ARIZONA STATE	101	81	YORK	52
30	BRIGHAM YOUNG	100	84	OKLAHOMA	51
30	KANSAS	100	84	OKLAHOMA STATE	51
32	SUNY-BUFFALO	99	84	OREGON	51
33	PITTSBURGH	95	84	MASSACHUSETTS	51
34	IOWA	94	84	WATERLOO	51
35	VIRGINIA	92	84	AUBURN	51
36	TEXAS A&M	88	90	KENT STATE	50
37	CALIFORNIA, SAN DIEGO	85	90	CALIFORNIA, SANTA BARBARA	50
37	MIT	85	92	SUNY-ALBANY	49
39	ARIZONA	84	92	RICE	49
40	VANDERBILT	83	94	SUNY-STONY BROOK	48
40	GEORGIA	83	94	LOUISIANA STATE	48
42	JOHNS HOPKINS	81	96	IOWA STATE	47
43	MCGILL	80	97	HOUSTON	46
44	ILLINOIS, CHICAGO	79	97	QUEEN'S	46
44	WASHINGTON U.-ST. LOUIS	79	97	WESTERN ONTARIO	46
44	BROWN	79	100	VPI & SU	45
44	WAYNE STATE	79	100	NOTRE DAME	45
48	NEW MEXICO	78	102	WASHINGTON STATE	43
48	KENTUCKY	78	103	SOUTHERN ILLINOIS	42
48	CINCINNATI	78	104	COLORADO STATE	40
51	GEORGETOWN	77	105	SASKATCHEWAN	37
52	EMORY	76	106	CALIFORNIA, RIVERSIDE	35
52	MIAMI	76	106	MCMASTER	35
54	CHICAGO	75	108	GUELPH	27

RANK ORDER TABLE 17: SUPPORT STAFF (FTE)

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	605	55	SOUTHERN CALIFORNIA	135
2	TEXAS	391	55	TENNESSEE	135
3	TORONTO	389	57	SYRACUSE	133
4	YALE	333	57	MISSOURI	133
5	PENNSYLVANIA STATE	332	59	BOSTON	132
6	CALIFORNIA, BERKELEY	315	60	NOTRE DAME	131
7	CORNELL	300	61	KANSAS	125
8	STANFORD	296	61	FLORIDA STATE	125
9	MICHIGAN	295	63	COLORADO	124
10	COLUMBIA	287	64	SASKATCHEWAN	123
11	CALIFORNIA, LOS ANGELES	278	65	GEORGETOWN	122
12	BRITISH COLUMBIA	255	66	NORTH CAROLINA STATE	120
13	RUTGERS	248	67	GUELPH	119
14	ILLINOIS, URBANA	242	68	NEBRASKA	118
15	ALBERTA	229	69	MIT	116
16	WASHINGTON	227	69	WATERLOO	116
17	PRINCETON	224	71	IOWA	115
18	WISCONSIN	217	72	BROWN	113
19	NORTH CAROLINA	214	72	SOUTH CAROLINA	113
20	CHICAGO	207	72	DELAWARE	113
21	ARIZONA STATE	205	75	CINCINNATI	112
22	FLORIDA	197	76	KENTUCKY	111
23	MCGILL	196	77	IOWA STATE	110
24	MINNESOTA	194	78	TEMPLE	109
25	NEW YORK	192	79	MICHIGAN STATE	107
26	LAVAL	191	80	CALIFORNIA, IRVINE	105
27	VIRGINIA	188	81	DARTMOUTH	104
28	INDIANA	187	82	HOWARD	103
29	PITTSBURGH	186	83	HAWAII	102
30	PENNSYLVANIA	180	83	SUNY-STONY BROOK	102
30	JOHNS HOPKINS	180	85	WAYNE STATE	101
32	OHIO STATE	179	85	TULANE	101
33	GEORGIA	178	87	SUNY-BUFFALO	100
33	CALIFORNIA, DAVIS	178	88	MASSACHUSETTS	99
35	ARIZONA	177	89	HOUSTON	98
36	TEXAS A&M	176	90	LOUISIANA STATE	96
36	WESTERN ONTARIO	176	90	VPI & SU	96
38	DUKE	171	92	CONNECTICUT	95
39	CALIFORNIA, SAN DIEGO	170	92	AUBURN	95
40	ILLINOIS, CHICAGO	163	92	KENT STATE	95
41	UTAH	161	95	ROCHESTER	94
42	MARYLAND	160	95	WASHINGTON STATE	94
43	WASHINGTON U.-ST. LOUIS	157	97	OREGON	92
44	NEW MEXICO	150	98	SOUTHERN ILLINOIS	88
45	NORTHWESTERN	147	99	SUNY-ALBANY	87
46	PURDUE	145	100	CASE WESTERN RESERVE	85
46	MANITOBA	145	101	CALIFORNIA, RIVERSIDE	81
48	VANDERBILT	142	102	ALABAMA	76
48	YORK	142	102	OKLAHOMA	76
50	CALIFORNIA, SANTA BARBARA	141	104	COLORADO STATE	75
51	EMORY	139	105	RICE	71
51	MIAMI	139	106	OKLAHOMA STATE	66
53	QUEEN'S	137	107	GEORGIA TECH	59
53	MCMASTER	137	108	BRIGHAM YOUNG	53

RANK ORDER TABLE 18: TOTAL STAFF (FTE)

Rank	Institution	Value	Rank	Institution	Value
1	HARVARD	1,147	55	LAVAL	264
2	CALIFORNIA, BERKELEY	669	55	BROWN	264
3	CALIFORNIA, LOS ANGELES	633	57	WAYNE STATE	261
4	TEXAS	629	58	TENNESSEE	260
5	TORONTO	625	59	GEORGETOWN	259
6	YALE	623	60	WESTERN ONTARIO	255
7	COLUMBIA	596	60	EMORY	255
8	CORNELL	591	62	SYRACUSE	253
9	MICHIGAN	580	63	BOSTON	250
10	STANFORD	555	64	COLORADO	249
11	PENNSYLVANIA STATE	546	65	MISSOURI	248
12	WISCONSIN	533	66	YORK	244
13	ILLINOIS, URBANA	513	67	FLORIDA STATE	242
14	WASHINGTON	486	68	NORTH CAROLINA STATE	240
15	INDIANA	472	69	SOUTH CAROLINA	236
16	MARYLAND	464	69	CONNECTICUT	236
17	NEW YORK	461	71	TEMPLE	235
18	RUTGERS	455	72	CALIFORNIA, SANTA BARBARA	234
19	MINNESOTA	446	73	HAWAII	233
20	NORTH CAROLINA	426	74	VPI & SU	232
21	BRITISH COLUMBIA	414	75	MIT	226
22	OHIO STATE	409	76	KENT STATE	225
23	PRINCETON	404	77	NEBRASKA	221
24	FLORIDA	400	77	DELAWARE	221
25	TEXAS A&M	390	79	MANITOBA	220
26	NORTHWESTERN	381	80	CALIFORNIA, IRVINE	219
27	PITTSBURGH	379	81	OREGON	217
28	PENNSYLVANIA	376	82	SOUTHERN ILLINOIS	215
29	ARIZONA STATE	374	83	IOWA STATE	214
30	CHICAGO	362	84	ROCHESTER	212
31	ARIZONA	361	85	HOUSTON	207
32	VIRGINIA	353	86	ALABAMA	206
33	ALBERTA	333	87	QUEEN'S	204
34	DUKE	330	88	NOTRE DAME	203
35	NEW MEXICO	329	89	SUNY-STONY BROOK	201
36	GEORGIA	328	89	LOUISIANA STATE	201
36	CALIFORNIA, SAN DIEGO	328	91	TULANE	198
38	SOUTHERN CALIFORNIA	327	92	HOWARD	194
39	KENTUCKY	325	93	AUBURN	191
40	KANSAS	321	94	MASSACHUSETTS	189
41	MCGILL	319	95	WATERLOO	188
41	UTAH	319	96	MCMASTER	187
43	JOHNS HOPKINS	305	96	OKLAHOMA	187
44	IOWA	304	98	DARTMOUTH	184
45	WASHINGTON U.-ST. LOUIS	296	99	OKLAHOMA STATE	183
46	CALIFORNIA, DAVIS	293	100	SUNY-ALBANY	174
47	BRIGHAM YOUNG	291	100	CASE WESTERN RESERVE	174
48	MICHIGAN STATE	290	102	WASHINGTON STATE	173
49	VANDERBILT	289	103	SASKATCHEWAN	171
50	ILLINOIS, CHICAGO	280	104	CALIFORNIA, RIVERSIDE	157
51	CINCINNATI	277	105	GUELPH	155
52	PURDUE	272	105	COLORADO STATE	155
53	SUNY-BUFFALO	270	107	RICE	139
54	MIAMI	267	108	GEORGIA TECH	122

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ARL STATISTICS, 1993-94
Instructions for Completing the Questionnaire

1. Please enter your data on the ARL Statistics diskette, if possible. The printed copy of the questionnaire is a worksheet provided for your convenience. Be sure to read the "ARL Statistics Diskette Documentation" as well as these Instructions before beginning to input data.

2. Definitions of the statistical categories used in this questionnaire can be found in *American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983.* (New York, American National Standards Institute, 1983.)

3. The questionnaire assumes a fiscal year ending June 30, 1994. If your fiscal year is different, please provide a footnote in the "Footnotes" section of the questionnaire.

4. **Please do not use decimals.** All figures should be rounded to the nearest whole number.

5. **Please do not leave any lines blank.** If an exact figure is unavailable, use **-1**, i.e. "U/A". If a question is not applicable to your library, use **-2**, i.e. "N/A". If the appropriate answer is zero or none, use **0**.

6. In a university that includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch campus** as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please explain in the "Footnotes" section of the questionnaire.

7. A **branch library** is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

8. **Questions 1a-f. Collections.** Use the ANSI Z39.7-1983 definition for **volume** as follows:

> *a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, that has been cataloged, classified, and made ready for use.*

Include duplicates and bound volumes of periodicals. For purposes of this questionnaire, unclassified bound serials arranged in alphabetical order are considered classified. Exclude microforms, maps, nonprint materials, and uncataloged items. If any of these items cannot be excluded, please provide an explanatory footnote in the "Footnotes" section of the questionnaire.

Include government document volumes that are accessible through the library's catalogs regardless of whether they are separately shelved. "Classified" includes documents arranged by Superintendent of Documents, CODOC, or similar numbers. "Cataloged" includes documents for which records are provided by the library or downloaded from other sources into the library's card or online catalogs. Documents should, to the extent possible, be counted as they would if they were in bound volumes (e.g., 12 issues of an annual serial would be one or two volumes). Title and piece counts should not be considered the same as volume counts. If a volume count has not been kept, it may be estimated through sampling a representative group of title records and determining the corresponding number of volumes, then extrapolating to the rest of the collection. As an alternative, an estimate may be made using the following formulae:

21 Dupont Circle
Washington, D.C. 20036
202 296 2296 telephone
202 872 0884 fax

52 documents pieces per foot
10 "traditional" volumes per foot
5 2 documents pieces per volume

If either formulas or sampling are used for deriving your count, please indicate in a footnote.

9. **Question 1b. Volumes Added**. Include only volumes cataloged, classified, and made ready for use. Include government documents if they have been included in the count of volumes on line 1a.

10. **Question 1f. Monographic Volumes Purchased** Report number of volumes purchased. Include all volumes for which an expenditure was made during 1993-94, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote in the "Footnotes" section of the questionnaire. **Note:** This question is concerned with volumes purchased rather than volumes received or cataloged. Question 5a requests the expenditure for the volumes counted here.

11. **Questions 2a-c. Serials.** Report the total number of subscriptions, not titles. Include duplicate subscriptions and, to the extent possible, all government document serials even if housed in a separate documents collection. Verify the inclusion or exclusion of document serials in the "Footnotes" section of the questionnaire. Exclude monographic and publishers' series. **A serial** is

> *a publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.*

12. **Question 2b. Serials: Not Purchased.** If separate counts of nonpurchased and purchased serials are not available, report only the total number of current serials received on line 2c, and report **-1**, i.e. "U/A", for lines 2a and 2b.

13. **Question 3a. Government documents.** Report the total number of physical units (pieces) of government documents in paper format that have not already been counted in any of the above categories. Include local, state, national, and international documents; include documents purchased from a commercial source if shelved with separate documents collections and not counted above. Include serials and monographs. To estimate pieces from a measurement of linear feet, use the formula *1 foot = 52 pieces* and indicate in a footnote that the count is based on this estimate. Exclude microforms and nonprint formats such as maps or CD-ROMs.

14. **Question 3b. Microforms.** Report the total number of physical units: reels of microfilm, microcards, and microprint and microfiche sheets. Include all government documents in microform; provide a footnote in the "Footnotes" section of the questionnaire if documents are excluded.

15. **Question 3c. Computer files**. Include the number of pieces of computer-readable disks, tapes, CD-ROMs, and similar machine-readable files comprising data or programs that are **locally held as part of the library's collections** available to library clients. Examples are U.S. Census data tapes, sample research software, locally-mounted databases, and reference tools on CD-ROM, tape or disk. Exclude bibliographic records used to manage the collection (i.e. the library's own catalog in machine-readable form), library system software, and micro-computer software used only by the library staff.

16. **Questions 3d. Manuscripts and archives**. Include both manuscripts and archives measured in linear feet.

17. **Question 3e. Cartographic materials**. Include the numbers of pieces of two- and three-dimensional maps and globes. Include satellite and aerial photographs and images.

18. **Question 3f. Graphic materials**. Include the number of pieces of prints, pictures, photographs, postcards, slides, transparencies, film strips, and the like.

19. **Question 3g. Audio materials**. Include the number of pieces of audio cassettes, phonodiscs, audio compact discs, reel-to-reel tapes, and other sound recordings.

20. **Question 3h. Film and video materials**. Include the number of pieces of motion pictures, video cassettes, video laser discs, and similar visual materials.

21. **Questions 4a-d. Personnel.** Report the number of staff in filled positions, or positions that are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote in the "Footnotes" section of the questionnaire. To compute full-time equivalents of part-time employees and student assistants, take the total number of hours worked by part-time employees in each category and divide it by the number of hours considered by the reporting library to be a full-time work week. **Round figures to the nearest whole numbers.**

22. **Question 4a. Professional Staff**. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, for example computer experts, systems analysts, or budget officers.

23. **Question 4c. Student Assistants**. Report the total FTE (see instruction 21) of student assistants employed on an hourly basis whose wages are paid from funds under library control or from a budget other than the library's, including federal work-study programs. Exclude maintenance and custodial staff.

24. **Questions 5-9. Expenditures.** Report all expenditures of funds that come to the library from the regular institutional budget, and from sources such as research grants, special projects, gifts and endowments, and fees for service. (For question 7d include non-library funds; see instruction #31) Do not report encumbrances of funds that have not yet been expended. **Canadian libraries should report expenditures in Canadian dollars**. (To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.3381, the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 1993-June 1994.) **Please round figures to the nearest dollar.**

25. **Question 5a. Monographs**. Report expenditures for volumes counted on line 1f.

26. **Question 5b. Current Serials**. Exclude monographic and publishers' series, and encumbrances.

27. **Question 5c. Other library materials**. Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc. If expenditures for these materials are included in lines 5a and/or 5b and cannot be disaggregated, please report **-1**, i.e. "U/A", and provide a footnote in the"Footnotes" section of the questionnaire. Do not include encumbrances.

28. **Question 5d. Miscellaneous expenditures**. Include any other **materials funds expenditures** not included in questions 5a-c, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote in the "Footnotes" section of the questionnaire. **Note:** If your library does not use materials funds for non-materials expenditures -- i.e., such expenditures are included in "Other Operating Expenditures" -- **report 0, not -1, i.e. "U/A"**, on line 5d.

29. **Question 6. Contract Binding**. Include only contract expenditures for binding done outside the library. If all binding is done in-house, state this fact and give in-house expenditures in a footnote in the "Footnotes" section of the questionnaire; do not include personnel expenditures.

30. **Questions 7a-d. Salaries and wages**. Exclude fringe benefits. If professional and support staff salaries cannot be separated, enter **-1**, i.e. "U/A", on lines 7a and 7b and enter total staff on line 7d.

31. **Questions 7c-d. Salaries and wages: Student Assistants**. Report 100% of student wages regardless of budgetary source of funds. Include federal and local funds for work study students.

32. **Question 8. Other operating expenditures**. Exclude expenditures for buildings, maintenance, and fringe benefits.

33. **Questions 10a-b. Interlibrary Loan.** Report the number of filled requests for material provided to other libraries on line 10a. Report the number of filled requests for material received from other libraries or document delivery services on line 10b. On both lines, include originals, photocopies, and materials sent by telefacsimile or other forms of electronic transmission. Do not include transactions between libraries covered by this questionnaire.

34. **Questions 11a-b. Ph.D. Degrees.** Report the number awarded during the 1993-94 fiscal year. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please add a footnote in the "Footnotes" section of the questionnaire.

35. **Question 11b. Ph.D. Fields**. For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties enumerated in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey. Although the IPEDS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be footnoted in the "Footnotes" section of the questionnaire.

36. **Questions 12a-d. Enrollment**. U.S. libraries should use the Fall 1993 enrollment figures reported to the Department of Education on the form entitled "Integrated Postsecondary Education Data System, Fall Enrollment 1993." The line and column numbers on the IPEDS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL last year to ensure consistency and accuracy. **Note:** In the past, the number of part-time students reported was FTE; the number now reported to IPEDS is a head count of part-time students. Canadian libraries should note that the category "graduate students" as reported here includes all post-baccalaureate students.

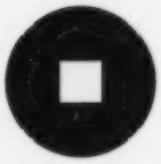
37. **Question 13. Instructional Faculty.** Instructional faculty are defined by the U.S. Dept. of Education as

> *those members of the instruction/research staff who are employed full-time as defined by the institution, including faculty with released time for research and faculty on sabbatical leave. Full-time counts exclude faculty who are employed to teach fewer than two semesters, three quarters, two trimesters, or two four-month sessions; replacements for faculty on sabbatical leave or leave without pay; faculty for preclinical and clinical medicine; faculty who are donating their services; faculty who are members of military organizations and paid on a different pay scale from civilian employees; academic officers, whose primary duties are administrative; and graduate students who assist in the instruction of courses."*

Please be sure the number reported, and the basis for counting, are consistent with those for 1992-93 (unless in previous years faculty were counted who should have been excluded according to the above definition). Please footnote any discrepancies.

38. **Footnotes.** Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see instruction #6 for definition of branch campus libraries). Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, your footnotes from the 1992-93 *ARL Statistics* are included in the printed copy of the questionnaire. **Please update these notes, delete them, or indicate that they remain valid, and return them to the ARL office.** Note that the number in parentheses refers to the appropriate column on the Library Data Tables in the published *ARL Statistics*, not to a line number on the questionnaire.

39. Return the ARL Statistics diskette to the ARL Office by **October 15, 1994,** together with a copy of the final printed questionnaire. If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office.



ASSOCIATION OF RESEARCH LIBRARIES

ARL STATISTICS QUESTIONNAIRE, 1993-94

Please do not leave any lines blank. If an exact figure is unavailable, use -1, i.e. "U/A." If a question is not applicable in your library, use -2, i.e. "N/A." If the appropriate answer is zero or none, use "0".

Reporting Institution _____ Date Returned to ARL _____

Questionnaire Completed by (Name) _____

Position _____ Phone _____

Contact Person (if different) _____

Position _____ Phone _____

COLLECTIONS *(See instructions 8-20)*

1. **Volumes in Library**:

   a. Volumes held June 30, 1993 *(See instruction 8)*
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.
   Record figure reported last year or footnote adjusted figure on p. 4.) _____

   b. Volumes added during year -- Gross *(See instruction 9)*
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.) _____

   c. Volumes withdrawn during year
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.) _____

   d. Volumes added during year -- Net (Subtract line 1c from line 1b) _____

   e. Volumes held June 30, 1994 (Add line 1a to line 1d) _____

   f. Number of monographic volumes purchased *(See instruction 10)*
   (Volumes for which expenditures are reported on line 5a. Footnote if titles.)

2. **Serials:**

   a. Number of current serials, including periodicals, purchased
   (See instruction 11) _____

   b. Number of current serials, including periodicals, received but not purchased (Exchanges, gifts, deposits, etc.) *(See instructions 11-12)* _____

   c. Total number of current serials received (Add line 2a to line 2b) *(See instructions 11-12)* _____

3. **Other Library Materials.** Total number of pieces held June 30, 1994:

   a. Government documents not counted above *(See instruction 13)* _____

   b. Microform units *(See instruction 14)* _____

   c. Computer files *See instruction 15)* _____

   d. Manuscripts and archives (linear ft.) *(See instruction 16)* _____

21 Dupont Circle
Washington, D.C. 20036
202 296 2296 telephone
202 872 0884 fax

COLLECTIONS (cont.)

Audiovisual materials:

e. Cartographic _____ f. Graphic _____
(See instruction 17) *(See instruction 18)*

g. Audio _____ h. Film and Video _____
(See instruction 19) *(See instruction 20)*

PERSONNEL *(See instructions 21-23. Round figures to nearest whole number.)*

4. a. Professional staff, FTE *(See instruction 22)* _____

b. Support staff, FTE

c. Student assistants, FTE *(See instruction 23)* _____

d. Total FTE staff (Add lines 4a, 4b, 4c) _____

EXPENDITURES *(See instructions 24-32)* Reported in Canadian dollars? Yes _____ No _____

5. Library Materials

a. Monographs (Expenditures for volumes reported on line 1f) *(See instruction 25)* _____

b. Current serials including periodicals *(See instruction 26)* _____

c. Other library materials (e.g., microforms, a/v, etc.) *(See instruction 27)* _____

d. Miscellaneous (All materials fund expenditures not included above) *(See instruction 28)* _____

e. Total library materials (Add lines 5a, 5b, 5c, 5d) _____

6. Contract binding *(See instruction 29)* _____

7. Salaries and Wages *(See instructions 30-31)*

a. Professional staff *(See instruction 30)* _____

b. Support staff *(See instruction 30)* _____

c. Student assistants *(See instruction 31)* _____

d. Total salaries and wages (Add lines 7a,7b,7c) *(See instruction 30)* _____

8. Other operating expenditures *(See instruction 32)* _____

9. Total library expenditures (Add lines 5e, 6, 7d, 8) _____

INTERLIBRARY LOANS *(See instruction 33)*

10. a. Total number of filled requests for materials **provided** to other libraries _____

b. Total number of filled requests for materials **received** from other libraries _____

PH.D. DEGREES *(See instructions 34-35)*

11. a. Number of Ph.D.s awarded in FY1993-94 *(See instruction 34)* _____

b. Number of fields in which Ph.D.s can be awarded *(See instruction 35)* _____

ENROLLMENT -- FALL 1993 (TOTALS) *(See instruction 36; line numbers refer to IPEDS survey form)*

12. a. Full-time students (Add line 8, columns 15 & 16, and line 14, cols. 15 & 16) _____

b. Part-time students (Add line 22, columns 15 & 16, and line 28, cols. 15 & 16) _____

c. Full-time graduate students (Line 14, columns 15 & 16) _____

d. Part-time graduate students (Line 28, columns 15 & 16) _____

FACULTY *(See instruction 37)*

13. Number of full-time instructional faculty in FY1993-94 _____

FOOTNOTES
(See instruction 38. Compare footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate. For your convenience, a copy of your library's footnotes from last year is given on p. 4 of this questionnaire.)

14. Basis of volume count is: _____ Physical _____ Bibliographic

15. Government documents are included in count of Current Serials _____ Yes _____ No

16. Fringe benefits are included in expenditures for salaries and wages *(See instruction 30)*. _____ Yes _____ No

17. Law Library statistics are included. _____ Yes _____ No _____ We do not have a Law Library

18. Medical Library statistics are included. _____ Yes _____ No _____ We do not have a Medical Library

19. Other main campus libraries included: [list in "Footnotes" on page 4].

20. Branch Campus Libraries. *(See instruction 6)*

Figures include branch CAMPUS libraries: _____ Yes _____ No _____ We have only one campus.

If branch campus libraries are included, please specify which campuses in "Footnotes" on page 4.

If branch campus libraries are not included, please specify which campuses in "Footnotes" on page 4.

21. Footnotes as published in the 1992-93 ARL Statistics.

(Please indicate revisions, additions, and deletions as appropriate. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. Note: number in ( ) refers to the column in Library Data Tables in 1992-93 *ARL Statistics*.)

PLEASE RETURN COMPLETED QUESTIONNAIRE TO THE ARL OFFICE BY **OCTOBER 15, 1994.**

Association of Research Libraries, 21 Dupont Circle, Washington, D.C. 20036. (202) 296-2296; Fax (202) 872-0884. Please call or e-mail Martha Kyrillidou (martha@cni.org) or Kaylyn Hipps (kaylyn@cni.org) for assistance with the questionnaire.

FOOTNOTES TO THE ARL STATISTICS, 1993-94

Footnotes may also include errata and corrections to 1992-93 data not previously reported. Numbers in parentheses refer to columns in Library Data Tables and not to Questionnaire numbers or rank tables.

Institution	Category from Main Data Tables	Notes
ALABAMA		All figures are as of September 30, 1994.
		1993-94 figures include, for the first time, two reading rooms, each administered by a librarian.
		Volumes held September 30, 1993, revised to 1,953,001 to include, for the first time, volumes in the Communication Reading Room collection.
	I. 1	Excludes government documents.
	I. 8	Includes government document microforms.
	I. 9	Government documents are not yet included in the online catalog.
	I. 14	Although audio units were added, the total number in the collection has decreased because out-of-date tapes were withdrawn by the Health Sciences Library.
	II. 3	Includes Law, Health Sciences, and Map Libraries only; Gorgas Library (main) and branches do not separate expenditures for audiovisual materials and microforms.
	II. 4	Center for Research Libraries membership.
	II. 11	Includes bibliographic utilities, memberships (except CRL), and literature searching.
ALBERTA		All figures are as of March 31, 1994.
		The University of Alberta Library has reconciled its Library collections. Volumes held March 31, 1993, revised to 3,684,807.
	I. 2-3	Includes Faculte St. Jean, books from Map Collections, and Data Library. Excludes St. Joseph's College Library, University of Alberta Hospital School of Nursing, and departmental reading rooms.
	I. 6	Includes government documents.
	II. 1-2	Figures from base budget. Outside-funded expenditures (trust funds, endowments and other special funds) were monographs, Can $325,087, and serials Can $109,094.
	II. 3	Included in Monographs Expenditures II. 1 and Serials Expenditures II. 2.
	II. 4	Includes postage expenditures.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $1,925,629; (2) $4,519,550; (3) U/A; (4) $133,208; (5) $6,578,387; (6) $181,552; (7) $4,166,223; (8) $7,310,300; (9) $725,168; (10) $12,201,691; (11) $1,679,528; (12) $20,641,158.
ARIZONA	I. 1	Includes government documents.
	I. 5-7	Figures for Health Sciences Library are unavailable. Includes government document serials.
	I.5	1992-93 figure revised to 21,073.
	I.6	Figures from Law Library are unavailable. 1992-93 figure revised to 4,591.
	I.7	1992-93 figure revised to 25,664.

Institution	Category from Main Data Tables	Notes
ARIZONA (cont'd)	I.9	Figures from Health Sciences and Law Libraries are unavailabe
	II.11	Includes automation expenditures
		Full time faculty figure is estimated
		Enrollment figures are for Fall 1993
ARIZONA STATE		ASU West and Law Library altered their FY 1992-93 volume totals to: ASU West Library from 223,552 to 221,931; Law Library from 224,285 to 230,834
		Includes Arizona State University West Campus, Architecture Library, Law Library, Music Library and Noble Library
	I. 2	Federal documents are not included in I. 2 because the MARCIVE tape load is (1) not completed and (2) not indexed. Documents are not yet accesible through ASU's catalog
	I. 5-7	Law Library did not count separately serials purchased and serials received. Estimated serials purchased by taking 75% of the total given in I. 7 (i.e., 75% x 6,193=4,695), and serials received but not purchased, by taking 25% of the total given in I.7 (i.e., 25% x 6,193=1,548) Law Library count for current serials total is 6,193
	I. 8	Music Library previously did not count their graphic collection. Base count is now 3,124
	I. 9	Law Library previously did not count their government documents. Base count is now 115,201
	I. 13	ASU West Library previously did not count their graphic collection. Base count is now 14,904
	II. 1-2	Includes all formats except computer data bases; acquisitions cannot disaggregate microforms, A/V, etc. from total expenditures
	II. 3	Computer databases only; all other material is included in II. 1-2 and cannot be disaggregated
	II. 4	Acquisitions/Bibliographic Records' number is document delivery and memberships only. ASU West Library's number reflects $81,508 document delivery
		The decrease in the enrollment figures is due to ASU West statistics being counted twice last year
AUBURN		All figures are as of September 30, 1994
	I. 1	Includes 293,170 cataloged government documents
	I. 2	Includes 23,931 cataloged government documents
	II. 9	Includes $30,193 from Federal Work-Study Program
BOSTON		Includes the Theology Library
	I. 3-5, 8	Government documents are included, except for Law Library documents
	I. 9	Figure represents Law Library government documents only
BOSTON PUBLIC LIBRARY		Includes main and branch libraries
	I. 1	Excludes patents (9,806,170 as of June 30, 1993) and prints (1,219,560 as of June 30, 1993)
	I. 1-3, 5-7	Excludes government documents
BRIGHAM YOUNG		All figures are as of August 31, 1994

Institution	Category from Main Data Tables	Notes
BRIGHAM YOUNG (cont'd)	I, 1-3, 5-8	Government documents are included.
BRITISH COLUMBIA		Figures are as of March 31, 1994.
	I, 7	1992-93 figure revised to 22,867.
	II, 3	Included in Monographs Expenditures (II, 1).
	III, 3-6	Includes: Operating Budget, 396 FTE; Grants, 11 FTE; Cost Recovery, 4 FTE; and Projects, 4 FTE. Total 415 FTE.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) $3,342,485; (2) $4,934,071; (3) U/A; (4)$0; (5) $8,276,556; (6) $251,182; (7) $5,896,667; (8) $7,712,806; (9) $1,347,110; (10) $14,956,583; (11) $2,639,707; (12) $26,124,028.
BROWN		Includes John Carter Brown, Annmary Brown, and Art Slide Libraries, and media services.
	I, 1-15	In previous years, volume count was incorrectly reported as being bibliographic. It was physical.
	I, 5-6	1992-93 figures revised as follows: I, 5=10,489; I, 6=3,640.
	I, 11	Includes manuscripts only.
	I, 12	Excludes the John Carter Brown Library.
	I, 13	503,440 pieces of sheet music have been added.
	II, 1	Includes documents and media (such as microforms, videos, and sound recordings).
CALIFORNIA, BERKELEY		Volumes held as of June 30, 1993, revised to 7,971,916.
	I.9	Government documents are reported by material type when known, and otherwise as generic "government documents".
	II.1	Expenditures posted as "monographs" include dollars spent on all library materials except serials.
	III.1-2	Whereas other answers reflect activity in the Library plus the Affiliated Libraries, Interlibrary Lending/Borrowing information reflects activity in the Library only.
	III.4	Includes temporary career staff who, in previous years, have been included with student assistants.
	III.5	Does not include student assistants paid on contract and grant funds.
CALIFORNIA, DAVIS		Includes Harrison Western Research Center Library (19,689 bound volumes and 107 non-document serials) in Fair Oaks, California.
		Volume count for the General Library is bibliographic; for Law Library count is physical.
	II, 3	Includes for Law Library: RLIN, $21,000; LEXIS and WESTLAW, $40,386.
		Number of full-time instructional faculty was reported incorrectly the previous two years. Revised figures are 2,828 for 1992-93 and 2,773 for 1991-92.
CALIFORNIA, IRVINE	I, 1-7, 9	Includes government documents, based on a piece count.
	I, 5-7	Includes government document serials. Separate counts for purchased and nonpurchased serials unavailable due to change in automated system.
		Number of full-time instructional faculty was reported incorrectly the previous two years. Revised figures are 1,082 for 1992-93 and 1,031 for 1991-92.

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Institution	Category from Main Data Tables	Notes
CALIFORNIA, LOS ANGELES		Volumes held as of June 30, 1993, revised to 6,305,755.
	I, 1-15	Volume counts include government documents, except in the Law Library.
	I, 1-7	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	I, 5-7	Includes cataloged government document serials.
	III, 3	Professional Staff includes Management and Professional Program employees.
CALIFORNIA, RIVERSIDE		Volumes held as of June 30, 1993, revised to 1,682,004.
	I, 7	The government documents included in the bound volume count are accessible through the online catalog.
	II, 9	Includes $27,970 in federal work study funds.
CALIFORNIA, SAN DIEGO	I, 5-7; II, 2	Includes monographic and publishers' series.
	II, 2	Includes serial and monographic standing orders and microform serials.
	II, 4	Expenditures for database services (literature searches).
	III, 3-4	Excludes budgeted positions permanently held open to fund other operations.
	III, 6	Includes 17.62 FTE hired for cost recovery operations, special projects, and grants.
		Faculty figures FTE.
CALIFORNIA, SANTA BARBARA	I, 1-3	Volume count excludes government documents.
	I, 5-7	Includes government document serials.
	II, 3-4	Included in Monographs Expenditures (II, 1).
CANADA INST. FOR SCITECH		All figures are as of March 31, 1994.
		Includes 15 branch libraries throughout Canada that serve the divisions of the National Research Council of Canada, CISTI's parent organization.
	I, 1, 5-7	Figure represents titles. Volume count unavailable.
	II, 10	Excludes fringe benefits, unlike previous years' figures.
	II, 1-12	Expenditures reported in Canadian dollars were: (1) U/A; (2) U/A; (3) U/A; (4) U/A; (5) $9,000,000; (6) U/A; (7) U/A; (8) U/A; (9) U/A; (10) $7,627,200; (11) 8,025,000; (12) $24,652,200.
CASE WESTERN RESERVE		Volumes held June 30, 1993, revised to 1,841,039.
	I, 1-4	Count is physical for some libraries and bibliographical for others.
	I, 2	For University Library, government documents figure is determined by formula in instruction #8.
	I, 4	Does not include monographs received as part of standing orders.
	III, 4-5	Medical Library includes 3.5 FTE support staff, and 1 FTE student assistant paid from grant funds.
CENTER FOR RESEARCH LIBS	I, 1-3, 8	Includes government documents (number estimated).

Institution	Category from Main Data Tables	Notes
CENTER FOR RESEARCH LIBS (cont'd)	I, 3	Volumes withdrawn includes a gift of the Children's Books Collection to the University of Illinois at Urbana-Champaign and an adjustment of base figures as a result of the move.
	I, 5-7	Excludes most government documents in collection.
	II, 3, 12	Includes restricted-fund expenditures.
	II, 11	Excludes figures related to building maintenance. Includes one-time moving expenses.
	III, 3	Includes 4.6 FTE of grant funded personnel.
		Revisions to the 1992-93 ARL statistics: II, 2 $221,067; II, 3 $727,413; II, 5 $1,013,582; II, 11 $522,145; II, 12 $2,999,538.
CHICAGO	I, 3	Includes cataloged government documents.
	I, 4	Excludes monographic series and continuations.
	I, 7	Includes monographic series and cataloged government document serials (paper and microform); excludes duplicate subscriptions.
	I, 9	Chicago catalogs and classifies most government documents for the general collections. The library has no separate government documents department and counts of uncataloged government documents are not maintained.
	I, 10, 13-15	Figures do not include unprocessed items.
	II, 1	Excludes monographic series and continuations.
	II, 2	Includes monographic series and duplicate subscriptions.
	II, 3	Figure constitutes some electronic media (LEXIS and WESTLAW). Other electronic media, microforms, serials backfiles, charts and maps, audiovisual materials, manuscripts, etc., included in Monographs Expenditures (II,1) and Serials Expenditures (II, 2).
	III, 1-2	Includes 896 requests filled by the Center for Research Libraries.
	II, 7-10; III, 3-6	Segregated data not available on cost recovery positions and staff hired for special projects and grants.
CINCINNATI		Figures do not include libraries at Raymond Walters College and Clermont College.
	II,4	Excludes Medical Libraries.
COLORADO	II, 4	Includes bibliographic utility expenditures, Humanities Special Purchases, online searching, etc.
	III, 4	Includes 3 support staff FTE paid from auxiliary funds.
	III, 5	Includes 35 student assistants FTE paid from work study funds.
COLORADO STATE	I, 10	Figure is an estimate.
	II, 4	Includes ARL ($12,600); RLG ($11,070); bindery supplies ($6,535); searches (IBDBS $5,676); access/ILL ($80,194); networking operations ($91,767); CNI ($3,000); Access ($50,000); BNA ($135,650).
		Last year's figure for full-time students of 21,210 was the total number of students enrolled.
COLUMBIA		Volume count for Law School is bibliographic.
	I, 1-8	Includes government documents.
	II, 3	Included in Monograph Expenditures (II, 1) and Serials Expenditures (II, 2).

Institution	Category from Main Data Tables	Notes
COLUMBIA (cont'd)	II, 4	Expenditures for Law Library computer databases
CONNECTICUT		Volumes held June 30, 1993, revised to reflect adjusted volumes count at Greater Hartford Campus Library
		Includes Greater Hartford Campus. Excludes Avery Point, Stamford, Torrington, and Waterbury
	I, 1-8	Includes government documents
CORNELL		Includes Geneva Experiment Station
	I, 11	Manuscripts and Archives are in cubic feet
	III, 3-6	Includes 5 FTE professional staff, 21 FTE support staff, and 30 FTE student assistants on grants and projects
		1992-93 figure for Ph.D.'s Awarded revised to 523
		Faculty count includes only full, associate and assistant professors. Excludes faculty at the Medical Division in New York City
	*	Enrollment figures exclude Medical Division in New York City and students registered in absentia. Part-time enrollment reflects employee degree registrants only
DARTMOUTH	III, 3-4	Includes 4 FTE professionals, and 1 FTE support staff paid from grant funds
DELAWARE		Includes Marine Studies Library at the University of Delaware Marine Studies Research Complex in Lewes, Delaware
	I, 1-3, 8	Includes government documents
	I, 10	1992-93 figure revised to 422
	II, 7-10	Excludes professional and support staff in Information Technologies assigned to the library
	II, 3	Included in Monographs Expenditures (II, 1) and Serials Expenditures (II, 2)
	II, 12	Excludes operating budget of University of Delaware Library Associates, which was $60,300 in FY1993-94
DUKE		Includes the Fuqua School of Business Library. Perkins Library System includes the main and departmental libraries, the Divinity Library, and the Duke Marine Lab Library
	I, 4	Figure excludes Business and Law Libraries
	I, 7	Figure excludes government document serials
	I, 8	Figure includes government documents, which were excluded in previous years
	I, 15	Some reported under I, 14
	II, 3	Some reported under II, 1 and II, 2
		Government documents were incorrectly reported as being included in the count of current serials in 1992-93. They were, in fact, excluded
EMORY		Volumes held June 30, 1993, revised to 2,060,289 to reflect corrected volume count for Law Library, does not include government documents for Law Library or General Libraries, which is a change from the way the figure was reported before
		Includes Oxford Campus and Theology Library

Institution	Category from Main Data Tables	Notes
EMORY (cont'd)	I. 9	Includes all government documents for Law Library and General Libraries.
	II. 1-12	Figures are as of August 31, 1994.
FLORIDA	I. 1-3	Includes government documents.
	I. 5-7	Reflects total number of serials received.
	II. 1-5	Excludes expenditures for library automation provided by the Florida Center for Library Automation.
	II. 7-10	Figures exclude fringe benefits.
FLORIDA STATE		Includes branch campus in Panama City (holdings and materials expenditures only); excludes Developmental Research School.
	I. 1-3	Includes most cataloged government documents.
	II. 1	Includes some microforms, audiovisual materials, etc.
	II. 3-4	Figures available for Law Library only.
		Reported total number of doctoral degrees awarded; number of Ph.D.s not available.
GEORGETOWN		Includes Kennedy Institute for Bioethics Library and Woodstock Theological Library.
	I. 1-3	Excludes government documents.
	I. 8-10	Medical Library figures unavailable.
	II. 7-9	Medical Library figures unavailable. Salaries for the main library are $2,903,365 for professional staff (II. 7), $2,766,219 for support staff (II. 8) and $717,626 for student assistants (II. 9).
GEORGIA	II. 1-3, 5-8	Includes cataloged government documents, some of which are shelved together in the Main Science Libraries.
	III. 5	FTE for student assistants are those that earn over $13,030.
GEORGIA TECH	I. 1-3, 5-7	Includes government documents that are cataloged, classified, and housed separately.
	III. 3-6	Statistics for former years included number of staff in filled positions only. For 1993-94, data include number of staff in filled positions plus positions that are temporarily vacant (in accordance with ARL instruction #21).
GUELPH		All figures are as of April 30, 1994.
	I. 10	The number reported last year was in error.
	II. 1	Includes nonbudgetary gifts, grants, endowments of Can $142,370.
	II. 3	Cannot disaggregate from II. 1 and II. 2.
	III. 3-4	The university now includes all supervisors in "professional staff" category. We have reported in accord with last year's survey and have included only librarians and other professional appointments in III. 3 with other supervisors in III. 4.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $949,256; (2) $2,220,386; (3) U/A; (4) $19,281; (5) $3,188,923; (6) $124,876; (7) $1,586,114; (8) $3,477,577; (9) $111,264; (10) $5,174,955; (11) $432,060; (12) $8,920,814.
		1992-93 figures for total full-time students and total FTE part-time students revised to 12,929 and 2,531, respectively.

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Institution	Category from Main Data Tables	Notes
HARVARD		Volumes held as of June 30, 1993, revised to 12,654,803.
		Includes research institutions in the District of Columbia and Italy.
	I. 1-2	Includes some government documents.
	I. 6	Includes some government documents; excludes some international government documents.
	I. 8	The corrected FY 92-93 count for microforms is 6,836,396.
	II. 12	Separate figures for expenditures from grants and special projects are not available. Excludes fringe benefits ($8,105,201) and buildings and maintenance ($3,439,500) charged to library budget. Includes cost recovery items ($4,956,933).
	III. 5	Adjusted FTE counts are reflected in revised totals.
		All Ph.D.s are awarded through the Graduate School of Arts and Sciences.
		Full-time instructional faculty includes FY93-94 full-time faculty count for all faculties of the University.
HAWAII	I. 1-3, 5-8	Includes government documents, based on a formula applied to a piece count.
HOUSTON		All figures are as of August 31, 1994.
		Volumes held August 31, 1993, revised to 1,754,335.
		Excludes branch campus libraries at Clear Lake, Victoria, and Downtown.
ILLINOIS, CHICAGO	I. 1-3	Excludes government documents.
	I. 4	Includes government documents; excludes monographs in series or continuations.
	I. 6	Figure is down from previous year because items were counted instead of titles. Figure for 1992-93 should be 941.
	I. 7	Figure for 1992-93 should be 15,790.
	I. 10	Count is by title, not by unit.
	I. 13	Excludes graphics in Special Collections.
ILLINOIS, URBANA	I. 1-3, 5-8	Includes government documents.
	I. 10	FY92-93 figure was titles. The item count was not available.
	I. 11	FY92-93 figure was for volume equivalent. The figure is 21,103 linear feet.
	II. 6	Includes 34.5 FTE graduate assistants and 4.6 FTE graduate assistants funded from research grants or other temporary funds.
INDIANA		Not included are libraries on the following campuses: Richmond, New Albany, Kokomo, South Bend, Gary, Fort Wayne, Indianapolis and Columbus.
	I. 11	Linear feet of archives and manuscripts revised as a result of collection weeding project and recount.
	II. 1-12	Figures do not reflect complete information from the Kinsey Institute Library.
	II. 3	Figure for "Other Library Materials" expenditures reflects change in reporting of acquisitions expenditures.
	II. 7-10; III. 3-6	Includes staffing and wages in support of statewide automation project.

Institution	Category from Main Data Tables	Notes
INDIANA (cont'd)	III, 3	Professional staff includes all librarians and professional appointments.
IOWA		1992-93 volumes held adjusted upward by 164,001 to reflect movement of existing items in Government Publications.
	I, 1-3	Excludes annuals and proceedings.
	I, 4	Includes music scores and some annuals.
	I, 6	Includes government documents for Law Library.
	II, 2	Excludes annuals and proceedings; includes memberships.
	II, 4	$193,153 miscellaneous materials for cataloging utilities reported in operating expenditures.
	II, 7	Excludes salary for .5 FTE Associate Dean for Research in Law.
	II, 11	Includes automation expenditures and development costs for barcoding and automation expenditures incurred in University's Office of Information Technology Units of approximately $725,000.
	III, 4-5	Includes 13.5 FTE for barcoding project, Information Arcade and Iowa Women's Archives. There are also 719 clinical and pre-clinical faculty, with departamental appointments in addition to the 1,064 instructional faculty.
IOWA STATE	I, 7	Includes 3,058 government document serials.
	II, 2	Expenditures as reported are correct, but they reflect an anomaly attributable to central university bookkeeping practices. Adjusted expenditures for serials in accordance with library data submitted prior to FY 1992-93 would show an increase of 9% from 1992-93 to 1993-94. (Adjusted 1992-93= $2,771,199; 1993-94= $3,020,353.)
	II, 4	Includes OCLC, literature searching, contract conservation, preservation supplies, reformatting, and postage.
	II, 6	The reduction in expenditures for binding reflects an atypical expenditure schedule resulting from a change of a commercial binding vendor.
	II, 11	1992-93 figure includes fringe benefits; actual 1992-93 figure "Other Operating Expenditures" excluding fringe benefits is $1,226,727.
	II, 12	1992-93 includes fringe benefits; actual 1992-93 "Total Library Expenditures" excluding fringe benefits is $10,769,582.
	III, 3-5	Includes cost recovery/grant/special project positions, paid out of other academic accounts for III, 3 = 2.2 FTE; for III, 4 = 9.14 FTE; for III, 5 = .35 FTE.
JOHNS HOPKINS		Volumes held June 30, 1993, revised to 3,012,365. Includes Eisenhower Library, Welch Medical Library, Institute of the History of Medicine, School of Hygiene and Public Health Library, Peabody Conservatory Library, Applied Physics Laboratory Library, School of Advanced International Studies (SAIS) in Washington, DC, and Bologna, Italy, the Center for Italian Studies in Florence, Italy, the Montgomery County Center in Rockville, MD, and the School of Continuing Studies, Columbia Center and Downtown Center. Excludes SAIS in Nanjing, China. Data from the Applied Physics Laboratory covers January through December.
	I, 1	Includes government documents based on ARL formula.
	II, 4	Includes literature searching and postage for library materials.
	III, 3-4, 6	FY 92-93 figures were incorrect. Corrected FTE figures are as follows: for III, 3 = 82; for III, 4 = 183; for III, 6 = 312.

Institution	Category from Main Data Tables	Notes
KANSAS		Main Library includes Regents Center Library, Overland Park Kansas, Health Sciences Library and Clendening History of Medicine Library, in Kansas City. Excludes University of Kansas School of Medicine at Wichita, KS.
	I. 1-3, 5-8	Includes government documents.
	II. 7	Includes 10 FTE professional staff supported by grant funds, $162,244.
	II. 8	Includes 1 FTE support staff supported by grant funds, $12,761.
	II. 9	Includes 1.7 FTE student assistants supported by grant funds, $15,613.
	II. 11	Includes $78,830 for equipment purchases.
		Count of Ph.D. fields includes one joint program with Kansas State, for a total of 56 fields at Lawrence campus and 11 at Kansas City. Two fields are inter-campus programs.
KENT STATE		Includes main campus and branches at Astabula, Geauga, East Liverpool, Salem, Stark, Trumbull, Tuscarawas.
	II.-III.	Expenditure and personnel figures include Audiovisual Services and Teleproductions.
KENTUCKY		Other main campus libraries included: Agriculture, Architecture, Art, Biological Sciences, Chemistry-Physics, Education, Engineering, Geological Sciences, Mathematical Sciences, Music.
		Excludes branch campuses at Lexington, Prestonburg, Madisonville, Hopkinsville, Henderson, Louisville (2), Ashland, Somerset, Maysville, Elizabethtown, Cumberland, Hazard, Owensboro, and Paducah.
	II. 4	Includes bibliographic utilities ($70,539), memberships ($71,283), postage ($57,544), document delivery ($6,258), and literature searching ($55,006).
		1992-93 figures for Ph.D.s Awarded and Ph.D Fields were for all doctoral degrees awarded. The 1993-94 figures are for Ph.D.s only.
LAVAL		All figures are as of May 31, 1994.
	I. 1-7	Includes government documents.
	I. 2	Count is number of titles rather than volumes.
	I. 9	Represents 190 linear feet. 1992-93 figure revised to 19,120.
	II. 1-5	Includes Can. $26,315 in grant funds.
	II. 4	Includes online literature searching.
	II. 6	Includes only special contracts and binding supplies. Most binding is done in-house. Salaries involved are Can $206,867.
	II. 10	Excludes fringe benefits (Can $1,810,431).
	III. 3	Includes 3.2 professionals for special projects.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $1,308,734; (2) $3,818,297; (3) $42,541; (4) $50,430; (5) $5,220,002; (6) $109,261; (7) $4,113,473; (8) $5,499,060; (9) $175,986; (10) $9,788,519; (11) $848,337; (12) $15,966,119.
LIBRARY OF CONGRESS		All figures are as of September 30, 1994.
	I. 2	Arrearage reduction effort underway.
	I. 6	Number of current serials, including periodicals, received but not purchased can only be estimated.

Institution	Category from Main Data Tables	Notes
LIBRARY OF CONGRESS (cont'd)	I. 11	Figure is an estimate.
	I. 15	1992-93 figure revised to 994,188.
	III. 1	1992-93 figure revised to 22,107.
LINDA HALL		All figures are as of December 31, 1993.
	I. 1-3, 5-7	Excludes government documents.
	I. 8	Includes government documents.
	II. 7-10	Does not include fringe benefits, unlike 1992-93 figures.
LOUISIANA STATE		Includes Law Library and Veterinary Medicine Library.
	II. 3	Costs for Other Library Materials cannot be disaggregated from book expenditures.
	II. 8	Includes $218,740 in salaries paid to Graduate Assistants.
	II. 11	Includes $100,000 paid to SOLINET.
McGILL		All figures are as of May 31, 1994.
		Volumes held May 31, 1993, revised to 2,764,359.
	I. 11	1992-93 reported 908 linear meters = 2,979 linear ft.
	II. 4	Includes Tattletapes (Can $20,237), bibliographic searching (Can. $161,740), and memberships (Can. $72,773).
	II. 11	Includes capital equipment (Can. $303,208) and major equipment (Can $164,119).
		Total part-time student figure reported is FTE; head-count is 10,155.
	II. 1-12	Figures reported in Canadian dollars were: (1) $1,511,444; (2) $3,489,936; (3) $270,463; (4) $254,750; (5) $5,526,593; (6) $255,846; (7) $4,671,700; (8) $5,771,350; (9) $476,783; (10) $10,919,833; (11) $1,636,013; (12) $18,338,285.
McMASTER		All figures are as of April 30, 1994.
	I. 1-8	Includes government documents. For all areas except Health Sciences, government documents counts are based on the linear feet x 10 formula.
	II. 9	Includes all student salary payments, all shift premium payments to support staff, any additional salary payments made to full-time staff to cover delayed staff replacements, illness coverage, any emergency staffing needs. The procedure of paying the support staff from the student assistants budget was established by the University Budget Office many years ago in order to keep regular full-time salaries separate from shift premiums and additional payments.
	II. 9, III. 5	Includes library interns.
	II. 1-12	Figures reported in Canadian dollars were: (1) $1,290,062; (2) $3,325,739; (3) $14,972; (4) $29,778; (5) $4,660,551; (6) $122,253; (7) $2,064,507; (8) $4,074,705; (9) $300,556; (10) $6,439,768; (11) $665,952; (12) $11,888,524.
MANITOBA		All figures are as of March 31, 1994.
	I. 5-7	Serial counts include a few regular-paid subscriptions for Government Publication journals.
	II. 3	Included in Monographs Expenditures (II. 1) and Serials Expenditures (II. 2).
	III. 6	Includes 1.7 FTE, professional and support staff paid from grant funds.

Institution	Category from Main Data Tables	Notes
MANITOBA (cont'd)	II. 1-12	Expenditures reported in Canadian dollars were: (1) $878,109; (2) $2,731,930; (3) U/A; (4) 71,843; (5) $3,681,882; (6) $176,507; (7) $2,931,887; (8) $3,920,707; (9) $678,442; (10) $7,531,036; (11) $1,025,239; (12) $12,414,664.
MARYLAND		Volumes held June 30, 1993, revised to 2,314,139.
		College Park Campus. Figures include the College of Library and Information Services Library for collections and materials expenditures only.
	I. 1-3	Includes government documents cataloged since August 1991.
	III. 3-4	Includes temporary contract employees.
MASSACHUSETTS	I. 1-3, 5-8	Includes government documents.
	II. 9	Includes $281,687 in federal Work Study grant funds.
		Ph.D.s awarded excludes 89 Ed.D. degrees.
MIT	I. 1-3, 5-8	Includes government documents.
	II. 4	Includes bibliographic utilities ($159,544) and literature searching ($230,351).
MIAMI		Figures are for fiscal year ending May 31, 1994.
	I. 1-3	Includes cataloged government documents.
	II. 7	Excludes director's salary.
MICHIGAN		Volumes held June 30, 1993, revised to 6,527,636. Business Library went from a historical count to an actual count.
		Includes Bentley Historical Library, William L. Clements Library, Kresge Business Library, and Law Library. Excludes Dearborn Campus Library, and the University of Michigan-Flint Library.
	I. 1-3, 5-8	Includes government documents.
	I. 5-6	Figures for Law Library are estimated.
	II. 2	Includes microform serials.
	II. 1-5	Figures for the William L. Clements Library are estimated.
	II. 7	Figure includes wages for librarians and Professional/Administrative category.
		Includes Ph.D. fields only; professional degrees and individualized program degrees are excluded.
MICHIGAN STATE		Volumes held June 30, 1993, revised from 2,939,376 to 3,845,290, in order to include government documents.
	I. 1-3	Includes government documents for the first time.
	I. 5-7	Includes some monographic series that cannot be disaggregated. Includes government documents.
	II. 2	Includes expenditures for some monographic series that cannot be disaggregated.
	II. 3	Included in Monographs Expenditures (II. 1) and Serials Expenditures (II. 2).
MINNESOTA		Excludes branch campus libraries at Duluth, Morris, and Cookston.

Institution	Category from Main Data Tables	Notes
MINNESOTA (cont'd)	I. 4	Figure unavailable.
	I. 5	Cancelled individual corporate reports serials. Now access on CD-ROM (5,887 titles).
	I. 13-15	Individual counts unavailable. Total A/V is 660,577.
MISSOURI	II. 7	Includes $131,399 for UM-Wide Library Systems Office for online catalog.
	II. 11	Includes $260,000 for UM-Wide Library Systems Office for online catalog.
NATIONAL AGRICULTURAL LIBRARY		All figures are as of September 30, 1994.
		U.S.D.A. field libraries are not included.
	I. 1-3, 5-8	Includes government documents.
	I. 2	Serial volumes added estimated from count of unbound issues; periodicals binding is not current.
	I. 8	1992-93 figure revised to 1,033,221.
	II. 7-10	Includes fringe benefits.
NATIONAL LIBRARY OF CANADA		The National Library of Canada's fiscal year is from April 1, 1993, to March 31, 1994.
	I. 1-3	Excludes government documents.
	I. 4	The 1992-93 figure reported last year has been revised to 11,537 to exclude microforms from the count.
	I. 4, II. 1	In addition to monographs purchased, two copies of documents published in Canada are received on legal deposit.
	I. 5-7	Includes government documents.
	I. 5	The 1992-93 figure reported last year has been revised to 5,809 to exclude microforms from the count.
	I. 6	Includes all active serials (non-government, Canadian federal and provincial government and Unesco) which are counted as copies. The concept of "copy" is equivalent to a subscription. A variation in the number from the previous year is due to a rebasing of the serials file.
	I. 9	This figure is down from last year because of a weeding of parts of the government documents collection.
	I. 11	The figure provided for 1992-93 was for literary manuscripts and archives. The figure reported this year includes 3,450 linear feet of literary manuscripts and archives plus approximately 3,000 linear feet of music manuscripts and archives. Archival music artifacts (such as Percival Price's bells), which are presently housed in a 15 ft. by 12 ft. room, are not included in this calculation.
	II. 1-5	Canadian monographs and serials are received on legal deposit. Excludes Can $184,500 for materials purchased for the Multilingual Biblioservice. Also excludes materials purchased for staff as working copies.
	II. 1-5, 11	1992-93 figures revised as follows: II. 1 = Can. $940,624; II. 2 = Can. $905,201; II. 3 = Can. $713,018; II. 4 = Can. $37,838; II. 5 = Can. $2,596,681; II. 11 = Can. $15,123,072.
	II. 11	Includes developmental costs of Can $7,580,000 for the new AMICUS system.
	III. 3-6	Utilized person-years.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $735,215; (2) $784,639; (3) $925,840; (4) $42,927; (5) $2,488,621; (6) $45,066; (7) $11,243,984; (8) $9,909,535; (9) $311,800; (10) $21,465,319; (11) $20,182,411; (12) $44,181,417.

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Institution	Category from Main Data Tables	Notes
NATIONAL LIBRARY OF MEDICINE		All figures are as of September 30, 1994.
		Volumes held September 30, 1993, revised to 2,076,702.
	I, 1-3, 5-8	Includes government documents, based on a combination of titles and volume counts.
	II, 1-12; III, 3-6	Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations.
NEBRASKA	I, 2	Includes volumes represented by GPO tapeload records.
	I, 4, 10, 12	Figures unavailable for Law Library.
	I, 5	1992-93 figure revised.
	I, 6	Previous years' figures were estimated; 1993-94 figure is based on an actual count.
	I, 8	Revised figure from previous year; actual count this year; estimated figure previous year.
	I, 11	Figures unavailable for Law Library; for other libraries, revised figure from previous year.
	I, 13	Figures unavailable for Law Library. For other libraries, includes only those government documents cataloged using OCLC.
	I, 14-15	Includes only those government documents cataloged using OCLC.
	II, 11	Excludes $21,199 for building maintenance.
	III, 3	Includes 2 FTE on grant funds.
	III, 4	Includes 1 FTE support staff on grant funds and 1 FTE temporary support staff.
NEW MEXICO		Volumes held June 30, 1993, revised to 1,904,107 to include General Library bound serials volumes not reported in 1988-1993.
		Statistics reported for the UNM General Library include Centennial Science and Engineering Library, Fine Arts Library, Parish Memorial Library, Zimmerman Library, Center for Southwest Research, and Center for Academic Program Support, all located on main campus. Titles added to the OPAC for the following other main campus libraries are included in the General Library volume count: Clark Field Archive, Native American Studies Center, and U.S.-Japan Center.
		Branch campus libraries not included: Gallup Campus, Harwood Foundation, Los Alamos Campus, Santa Fe Graduate Center, Taos Education Center, Valencia County Campus.
	I, 2	General Library multiplies number of non-government document titles by conversion factor 1.2 to estimate volumes. General Library divides number of government document pieces by 5.2 to estimate volumes.
	I, 5-7	General Library includes government documents in current serials received. Law Library and Health Sciences Center Library exclude government documents from current serials received.
	I, 13	Includes previously uncounted blueprints in the General Library Southwest Architecture Collection. Information unavailable for Health Sciences Center Library.
	II, 11	Includes appropriation from State Legislature for the General Library Center for Southwest Research.
	III, 3-6	Includes 1 FTE professional staff and 1 FTE support staff in grant funded positions in the General Library.
		The UNM Medical Center Library was renamed the UNM Health Sciences Center Library. The General Library, the Law Library, and the Health Sciences Center Library are separately funded and administered.

Institution	Category from Main Data Tables	Notes
NEW MEXICO (cont'd)		1992-93 figure for the number of Ph.D. fields was revised to 34.
NEW YORK		All figures as of August 31, 1994.
		Includes Elmer Holmes Bobst Library, Institute of Fine Arts, Real Estate Institute, Courant Institute of Mathematical Sciences, Kriser Dental Center.
	II. 4	Excludes expenditures for bibliographic utilities, literature searching, etc.
	III. 3	Includes professionals who are not librarians.
NEW YORK PUBLIC LIBRARY	I. 1-3, 5-8	Includes government documents.
	II. 7-8	Separate figures for professional and support staff are unavailable.
	III. 6	Includes number of positions authorized; does not reflect number of positions filled/vacant at any given time. Number also includes one-time only project positions.
NEW YORK STATE LIBRARY		All figures as of March 31, 1994.
	I. 1-3, 5-8	Includes government documents.
	II. 1-12	Includes figures for NEH and Library fund, as well as State and LSCA funds.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	I. 1-3, 5-8	Includes government documents.
	II. 4	Miscellaneous library material expenditures include payments to I.C. Alert Service and Center for Research Libraries.
	II. 7-10	Salaries for 1993-94 include the carryover of the last pay period for library employees for 1992-93, as mandated by the North Carolina State Legislature.
	II. 11	Includes one-third of expenditures, or $177,691, for software purchased by Duke on behalf of UNC, Duke and NCSU.
	II. 12	Includes $3,622,107 in grants, trust, and other special funds; excludes $229,648 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke, North Carolina State and North Carolina Central Universities.
	III. 3-4	Includes 3 FTE professionals and 4 FTE support staff on special grant funds; excludes 3 FTE paid from funds contributed by Duke, North Carolina State, and North Carolina Central Universities for support of the Triangle Research Libraries Network.
NORTH CAROLINA STATE		Volumes held June 30, 1993, revised to 2,336,031 to include previously uncounted, cataloged government documents already in collection.
		Includes Veterinary Medical Library.
	I. 4	Includes some monographic standing order items paid from serials funds.
	I. 9	Adjusted for previously uncounted, cataloged government documents already in collection.
	I. 15	Decline reflects correction of a 1992-93 reporting error.
	II. 1-2	Some monographic series are paid from serials funds (included in II. 2).
	II. 4	Includes bibliographic utilities ($74,051) and memberships ($43,251).
	III. 3	Includes 1 FTE grant-supported and 1.6 FTE temporary professional.
	III. 4	Includes 1 FTE temporary non-professional.

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Institution	Category from Main Data Tables	Notes
NORTH CAROLINA STATE (cont'd)		Revised fall 1993 faculty figures; fall 1994 faculty figures unavailable
NORTHWESTERN		All figures are as of August 31, 1994
		Includes Chicago Campus (Law, Medical, and Dental Libraries)
	I. 1-3	Includes government documents
	II. 11	Other operating expenditures for 1990-1993 are incorrect; they should be: 1990: $1,552,321; 1991: $1,774,718; 1992: $1,379,030; 1993: $2,150,351
	II. 12	Total library expenditures for 1990-1993 are incorrect; they should be: 1990: $13,617,969; 1991: $14,470,878; 1992: $14,515,802; 1993: $15,926,970
NOTRE DAME	I. 8-9	Figures do not include the Law Library
OHIO STATE	I. 1-7	Includes government documents
	I. 10	Count includes individual issues of electronic serials that are cataloged and stored on an OSU computer
	II. 3-4	Includes only Law Library expenditures. Data for other libraries included in II. 1 and II. 2
	II. 11	Includes expenditures attributed in 1983-84 and earlier years to the University Computer Center
	III. 3-6	Includes 8.8 FTE positions funded by grants
OKLAHOMA	I. 1-3, 8	Excludes government documents
OKLAHOMA STATE		Includes Architecture, Curriculum Materials Laboratory, Patent and Economic Development, and Veterinary Medicine Libraries
		Includes the OSU technical branches in Oklahoma City and Okmulgee and OSU's College of Osteopathic Medicine in Tulsa
	I. 13	Figure reported this year reflects a more accurate count and is based on a piece count, as opposed to last year's figure
	I. 14-15	1992-93 figures revised as follows: I. 14 = 7,007; I. 15 = 9,140
OREGON	I. 1-3, 5-8	Includes cataloged government documents
	II. 3	Included in Monographs Expenditures (II. 1) and Serials Expenditures (II. 2)
	II. 4	Includes bibliographic utilities, online searching, shipping charges, and miscellaneous
		Full-time faculty figure represents tenured and tenure-track faculty
PENNSYLVANIA	I. 1-3, 5-8	Includes government documents
PENNSYLVANIA STATE		All statistics reflect the addition of the Audio Visual Services department to the University Libraries
		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware, DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Penn State Erie, Penn State Great Valley, Penn State Harrisburg, Schuylkill, Shenango Valley, Wilkes-Barre, Worthington, Scranton and York, unless specified otherwise
	I. 10	1993-94 was the first year we began to catalog and officially count computer files. The figure given in 1992-93 was a rough estimate

Institution	Category from Main Data Tables	Notes
PENNSYLVANIA STATE (cont'd)	I. 13-14	Figures for main campus only.
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensburg, Bradford, and Titusville.
	I. 1-3, 5-8	Includes government documents.
	II. 11	$75,957 expended on software maintenance has been included here, so as to report as part of expenditures on ARL supplementary questionnaire. Includes funds for retrospective conversion provided by university computing funds.
	III. 3-6	Three professional and four support staff are supported by grant and special project funds.
		Medical full-time instructional faculty are not included, per IPEDS definition, even though medical figures are included in all other questions.
		1992-93 figures for Ph.D.'s Awarded revised to 294 and for Number of Ph.D. fields in which Ph.D.'s can be awarded revised to 61.
PRINCETON	I. 1-3, 5-8	Includes government documents.
	II. 10	Figures prior to 1985-86 included fringe benefits.
	II. 11	Figures before FY91 do not include non-salary expenditures for grant funded projects or photo-services. 1992-93 figure revised to $2,629,268.
	II. 12	1992-93 figure revised to $21,666,691.
PURDUE		Excludes branch campuses at Purdue North Central in Westville, Purdue Calumet in Hammond, and Purdue Fort Wayne in Ft. Wayne.
	I. 1-3	Includes cataloged government documents.
	I. 4	The number of monographic volumes purchased excludes volumes purchased on sponsored research programs.
	III. 6	The 1993-94 FTE includes 3 professional and 7 support staff for self-supporting activities in the library not previously included in the FTE count.
QUEEN'S		All figures are as of April 30, 1994.
	I. 1-3	Excludes government documents.
	I. 13	Excludes Education Library.
	II. 2	Includes microforms.
	II. 3	Includes audiovisual materials only.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $1,408,224; (2) $3,085,570; (3) $30,170; (4) $0; (5) $4,523,964; (6) $184,672; (7) $2,185,489; (8) $4,373,084; (9) $263,235; (10) $6,821,808; (11) $594,645; (12) $12,125,089.
	III. 3	Includes 3 FTE Librarian contract positions paid on soft money, not operating funds.
		Enrollments as of November 1, 1993.
		All ranks combined, including deans and excluding medical and dental instructors. Data from 1993-94 University Budget Document, FTE.
RICE	I. 1-3	Includes government documents.
	I. 11	Manuscript count is cubic rather than linear feet.

Institution	Category from Main Data Tables	Notes
RICE (cont'd)	II. 7-12; III. 3-6	Includes the addition of staff and expenditures for the Computing Reference Center, which was transferred to the Library.
	III. 1-12	Includes cost recovery expenditure and expenditures from other university cost centers for core library services.
	III. 1-2	Does not include borrowing and lending activity for fee-based off-campus information delivery operation.
ROCHESTER	I. 1-15	Volume count is bibliographic for Sibley Library.
	I. 1, 4	Includes government documents.
	I. 2-3	Excludes government documents.
	I. 5-7	Government documents are included in current serials count only for those cataloged at Sibley Library; see footnotes I. 5 and I. 6 for Rush Rhees Library. Government documents are not included in serials count for Edward G. Miner Library.
	I. 5	Includes purchased duplicate subscriptions to government documents.
	I. 6	Excludes government documents and Sibley Library reports 0.
	I. 9	Excludes Sibley Library.
	I. 11	Excludes Eastman School Archives for the Sibley Library reported figure.
	I. 12	Rush Rhees Library only.
	I. 13	Edward G. Miner Library only.
	I. 14	Excludes figures for Edward G. Miner Library.
	II. 1	Includes Other Library Materials for Rush Rhees Library.
	II. 2	Includes monographic and publishers' series for Rush Rhees Library.
	II. 3	Figure unavailable for Rush Rhees Library; included in Monographs Expenditures (II. 1).
	II. 9	Includes grant-funded student assistant positions for Sibley Music Library not included in Salaries and Wages.
		Graduate enrollments exclude MD students, but include other advanced degree students, e.g. Masters and Ph.D.s in the Medical School.
		Faculty information reported is from IPEDS-SA (AAUP). In previous years the faculty data were from Affirmative Action reporting and included clinical/preclinical faculty.
RUTGERS		Volumes held June 30, 1993, adjusted for recount of Newark Law Library government documents. Revised figure is 3,452,888.
		Figures include two law libraries; services to a non-Rutgers medical school; and campuses in Camden, Newark, and New Brunswick.
	I. 3	Volumes withdrawn during the year include large withdrawal project and actual count of government documents by Camden Law Library.
	I. 12-15	Total Audiovisual materials is 96,073 items.
	II. 1-3	Prior to FY94, monograph and serials expenditures included all formats.
	II. 4	Includes memberships ($105,312).
	II. 7-8	Excludes staff hired for special projects and grants.
SASKATCHEWAN		Figures are as of April 30, 1994.

Institution	Category from Main Data Tables	Notes
SASKATCHEWAN (cont'd)		Volumes held April 30, 1993, revised to 1,549,541. Includes retrospective CODOC cataloging of government publications.
		Excludes Theological College libraries on campus which are not part of the library system.
	I, 1-7	Includes government documents.
	I, 4	Titles purchased.
	I, 6	Includes 4,182 government publication subscriptions received on deposit and 932 gifts.
	II, 1-12	Expenditures reported in Canadian Dollars were: (1) $998,011; (2) $3,389,899; (3) U/A; (4) $8,530; (5) $4,396,440; (6) $66,459; (7) $1,919,063; (8) $3,255,284; (9) $190,171; (10) $5,364,518; (11) $595,421; (12) $10,422,838.
SMITHSONIAN		All figures are as of September 30, 1994.
		Branches outside Washington D.C. include: Center for Astrophysics, Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum of Decorative Arts and Design, New York City; and Smithsonian Tropical Research Institute in Panama.
	I, 2-3	As purchasing agent for all library materials for the Smithsonian Institution, Smithsonian Institution Libraries (SIL) purchases monographs and serials for some libraries which are not under SIL administration. The non-SIL libraries are located in the Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art and National Portrait Gallery. Purchases for non-SIL libraries are not added to the SIL collections and therefore are not included in these numbers.
	I, 3	Represents volumes received in the SIL branches. Microforms are not included.
	I, 4	Represents the number of titles, not volumes. Includes purchases for SIL and non-SIL libraries. The cost of purchases for non-SIL libraries is included in II, 1 and II, 2.
	I, 5	Includes 635 SIL serials which were not reported in FY 1993. In FY 1994, 3,920 serials were purchased for SIL collections, 86 for non-SIL.
	II, 1	Includes expenditures for both print and non-print items; the amount for non-print items cannot be disaggregated from the total. $408,626 represents $339,674 for SIL collections and $68,952 for non-SIL collections.
	II, 2	$777,863 includes $693,160 for SIL collections, and $84,703 spent for non-SIL collections.
	II, 3	$18,000 includes $17,000 for ILL and $1,000 for photo-duplication/ microfilming at the Library of Congress. Expenditures for additional "other" have been included in Monograph Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 4	$190,038 includes database searching, $45,050; document delivery, $6,500; and $138,488 for OCLC and accompanying their Fedlink network fees.
	II, 10	Actual "on board" costs. Does not include any "lapsed salaries" due to vacancies. Lapsed salaries were reprogrammed for expenditures in other areas.
	II, 11	Of the $423,767, $180,600 is the total of contract cataloging, ($89,900); Smithsonian Institution Research Information System, ($87,000); HOLLIS utility for serials check-in, ($3,700). The remaining $243,167 includes expenditures for general, preservation, and automation supplies and equipment purchases, memberships, and miscellaneous contracts.
	II, 12	Does not include $1,249,452 for: health and medical benefits, ($1,035,349); travel, ($26,085); training, ($21,211); building maintenance, ($5,200); equipment maintenance and service, ($60,007); public and staff programs, ($31,381); and miscellaneous programs ($70,219).
	III, 5	Student hours are not charged against the SIL work year allocation. During FY 1993, thirteen different students worked an estimated total of 5 FTE. Salary costs for students are included in II, 9.
		S.I. Libraries total funding from federal and private sources totalled $8,389,603. $905,799 of endowment and special purpose funds were carried forward to FY 1995.

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Institution	Category from Main Data Tables	Notes
SOUTH CAROLINA	I, 5-7	Includes government documents. Separate counts for purchased and non-purchased serials are unavailable due to change in automated system.
SOUTHERN CALIFORNIA		Statistics include Law Library, which is an administratively separate library located on Main Campus.
		Statistics also include Health Sciences Library System, which is an administratively separate system and located on a separate Health Sciences Campus except for the Dental Library, which is located on Main Campus.
		Excludes the Safety and Systems Management Library.
	I, 1-15	Basis of count is bibliographic for Central Library System and Law Library, physical for Health Sciences Library System.
	I, 7	Includes 19,423 serials purchased and 3,512 serials received but not purchased for Main Campus and Health Sciences libraries. The Law Library holds a total of 4,019 purchased and non-purchased serials.
	II, 9	Student figures corrected to include funds from federal work-study program not previously reported.
	III, 1	Major change is the result of $10 H.E. fee charged by Central Library System to other libraries in 1993-94.
	III, 2	Major change reflects new document delivery service for Central Library System.
	III, 3-4	Staff for special projects and grants totals 8.
	III, 6	Increase in FTE is result of preparations for new library.
		Ph.D. figures are for 1992-93.
SOUTHERN ILLINOIS		Volumes held June 30, 1993, revised to 2,246,853.
		Excludes School of Medicine Library (Springfield), which is not administratively part of Library Affairs.
	I, 1-3	Includes government documents.
	I, 4	Title count.
		Number of Ph.D.s awarded excludes MD., JD., DBA., and RHD degrees. The 1992-93 figure was incorrectly footnoted. It included MD., JD., DBA., and RHD degrees.
STANFORD		Figures include Hopkins Marine Station Library.
		All totals reflect 1991-92 figures for the Stanford Linear Accelerator Center, which was unable to report in 1992-93 or 1993-94.
	I, 1-3, 5-8	Includes government documents.
	I, 15	Reflects recount of films reported in error in 1992-93. Total should have been 14,420.
	II, 1-2	Figures are as of August 31, 1994.
	II, 12	Includes $750,218 in grant and contract funds.
	III, 5	Reflects a recount of 1992-93 figure reported in error. Total should have been 104.
	III, 6	Includes 11.7 FTE paid from grant and contract funds.
		1992-93 figure for number of Ph.D. fields revised to 57.

Institution	Category from Main Data Tables	Notes
SUNY-ALBANY		Includes the Dewey Graduate Library of Public Affairs and Policy on East campus
	I, 4	Figure reflects title count
	II, 4	Ipcludes ILL services, $26,168; memberships, $92,268; bibliographic utilities, $191,029; computer-based reference services $58,473
	II, 7-8	As previously reported, salaries are based on a percentage formula
	II, 11	The library's budget was increased to purchase the GEAC ADVANCE automated system and support equiptment
	III, 3-6	Includes 1 FTE professional, 5.3 FTE support staff, and 8 FTE student assistants in cost recovery positions from grants.
SUNY-BUFFALO	I, 7	Excludes government documents
	I, 12-15	Figures are estimated
	II, 4	Includes memberships ($45,400), and bibliographic utilities and literature searching ($194,184)
	II, 10	Excludes federal work-study funding
	III, 3-6	Includes 3 FTE professionals and 2 FTE student assistants on special projects grants
		Ph D s awarded are as of June 30, 1993
SUNY-STONY BROOK	I, 5	Includes all serials received by Medical Library
	I, 12	*Decrease reflects weeding project
	II, 4	Includes some expenditures for bibliographic utilities and automation, literature searching, memberships, and binding
	II, 6	Excludes $78,828 reported in Miscellaneous Materials Expenditures (II, 4)
	II, 12	Includes $579,342 from income fund and grants
SYRACUSE		Volumes held June 30, 1993, revised to 2,738,485. Corrected figure includes 155,000 government publications not previously included, plus 11,000 titles in the library of the SU Study Abroad program in Florence, Italy
		Excludes Utica College. Total volume count is only figure that includes branch campus (the library of the SU Study Abroad program in Florence, Italy)
	I, 3	Figure reported is titles rather than volumes
	I, 9	Adjusted figure: 155,000 older titles added to volumes held June 30, 1993, and 15,856 items included in I, 2
	I, 11	Includes 15,000 linear feet of University Archives and 5,000 feet of Special Collections material in remote storage. School of Law manuscripts and archives not included
	I, 15	Includes 4,300 new items transferred to collection during reporting year
	II, 7	Includes $72,000 for 1.5 FTE Computing and Media Services staff
	II, 11	Includes $488,295 in Computing and Media Services staff and operating expenses
	III, 3	Includes 1.5 FTE professional staff in Computing and Media Services
		Ph.D. figures do not include J.Ds (College of Law)
TEMPLE		Volumes held June 30, 1993, revised to 2,189,426

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Institution	Category from Main Data Tables	Notes
TEMPLE (cont'd)		Includes the Ambler and Tyler campuses.
	II, 3	Central Library System expenditures for Other Library Materials are included in Monograph Expenditures (II, 1) and Serials Expenditures (II, 2).
	II, 4, 11	Expenditures formerly reported in II, 4 are now reported in II, 11.
		Ph.D.s awarded includes all academic doctoral degrees.
TENNESSEE		Volumes held June 30, 1993, revised to 2,021,905.
	III, 3	Three professional staff were hired on grant funds.
TEXAS		All figures are as of August 31, 1994, and include the General Libraries, the Humanities Research Center, and the Tarlton Law Library.
	I, 4	Includes 45,259 monographic volumes purchased by the General Libraries, 2,759 by the Tarlton Law Library, and 2,325 by the Humanities Research Center.
	I, 5	Includes 20,906 current serials purchased by the General Libraries, 6,291 by the Tarlton Law Library, and 315 by the Humanities Research Center.
	I, 6	Includes 20,357 serials received but not purchased by the General Libraries, 3,241 received by the Tarlton Law Library; and 61 received by the Humanities Research Center.
	II, 1	Includes expenditures for monographs of $1,929,225 by the General Libraries, $73,852 by the Tarlton Law Library, and $75,356 by the Humanities Research Center.
	II, 2	Includes expenditures for current serials of $2,962,591 by the General Libraries, $705,115 by the Tarlton Law Library, and $10,201 by the Humanities Research Center.
	II, 3	Includes expenditures of $172,172 by the General Libraries, $48,307 by the Tarlton Law Library and $428,020 by the Humanities Research Center.
	II, 4	Includes expenditures of $24,520 by the General Libraries.
	II, 5	Includes expenditures of $5,088,508 by the General Libraries, $794,982 by the Tarlton Law Library, and $513,577 by the Humanities Research Center.
	II, 9	Includes federal work-study funds.
	III, 6	Includes 9.75 FTE staff hired on grant funds.
		Ph.D.s awarded includes D.Ed. degrees.
		Faculty figure is budgeted FTE.
TEXAS A&M		All figures are as of August 31, 1994.
		Medical Library is a separate academic entity. Texas A&M University at Galveston is included.
	I, 5-7	Does not include uncataloged government documents serials.
	I, 6-7, II, 4	1992-93 figures were incomplete for one of the libraries included.
	II, 11	Includes $750,000 for Computer Services Center operation of NOTIS.
TORONTO		All figures are as of April 30, 1994.
		Includes only the libraries of the university within the President's budget; excludes those of the federated and affiliated institutions.
	I, 1-2, 5	Includes monographic series and government documents.

Institution	Category from Main Data Tables	Notes
TORONTO (cont'd)	I. 8	1992-93 figure revised to 3,083,290.
	I. 9	Included in microform units (I. 8). 1992-93 figure revised to U/A.
	II. 3-4	Included in Monographs Expenditures (II. 1) and Serials Expenditures (II. 2).
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $5,876,379; (2) $6,323,199; (3) U/A; (4) U/A; (5) $12,199,578; (6) $373,048; (7) $9,473,040; (8) $ 13,865,696; (9) $1,992,851; (10) $25,331,587; (11) $1,488,550; (12) $39,392,763.
TULANE		Includes Tulane Regional Primate Research Center in Covington, Louisiana.
	I. 1-3, 8	Includes government documents.
	I. 4	Figure is a combination of titles and volumes.
	I. 12-15	Figures are for main library only.
	II. 7	Positions replacement at lower salaries.
	II. 8	No salary increases for 1993-94 for staff. Faculty figure includes School of Medicine and School of Public Health and Tropical Medicine.
UTAH		Includes Law and Medical Libraries for the second time this year.
	I. 1-3	Includes cataloged government documents.
	I. 5-7	Includes government documents.
	I. 7	1992-93 figure revised to 13,259.
VANDERBILT		Main campus libraries included are: Central, Science, Divinity, Education, Management, Music, Special Collections and University Archives.
	I. 13, 15	Transparencies counted in wrong category in 1992-93. Full-time instructional faculty figure includes clinical faculty.
VIRGINIA	I. 1	This number includes 9,478 newly cataloged documents which were previously counted in item I. 9.
	I. 5-7	Includes government document serials. Includes monographic series in Health Sciences and Law Libraries.
	I. 8	Includes government documents microforms.
	I. 9	Includes all U.S., international, and Virginia state documents in separate documents collection, excluding those represented by OPAC records.
	II. 2	Includes expenditures for monographic series in Health Sciences and Law Libraries.
VPI & SU	I. 1	Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	I. 5-7	Includes government documents, based on ARL formula.
	II. 1	Includes firm order approval and blanket order monographs.
	II. 4	Includes bibliographic utilities, $100,000; literature searching, $88,149; membership dues (ARL, CNI, CRL), $57,250; interlibrary loans, $40,075; postage and handling, $5,356; VPI dissertation filming, $14,620.

Institution	Category from Main Data Tables	Notes
VPI & SU (cont'd)		In addition to the reported 47 fields in which Ph.D.s can be awarded, E.D.D.s can be awarded in 6 fields and D.V.M.s can be awarded in 1 field.
WASHINGTON	I. 4, 9-15	Excludes Law Library.
	III. 3-6	Includes Law Library only.
WASHINGTON STATE		Excludes Branch Campuses at Spokane, Tri-Cities, and Vancouver.
	I. 12-15	Figures include Manuscripts, Archives, and Special Collection items in addition to Media Materials Services collection.
		Figures revised to reflect an actual count of Media Material Services' items.
	II. 1-12; III. 3-6	In previous years, figures included Instructional Media Services. As of July 1, 1992, this unit is no longer included.
	II. 1-12	Includes expenditures for CD-ROMS, microforms, and Manuscripts/Archives items.
	II. 3	Media Materials Services films and videos only.
	II. 4	CRL membership dues.
	II. 11	Includes Friends of the Library and library development funds.
		Full-time and part-time student figures for 1992-93 were under reported.
WASHINGTON, ST. LOUIS		Volumes held June 30, 1993, revised to 2,980,063 due to adjustment of Medical Library figure.
	I. 4	Figures not available for all libraries.
	I. 6	Separate count of serials purchased and those received but not purchased unavailable for all libraries.
	I. 11	Linear feet of manuscripts in Central Library not available, total physical units of manuscripts is 159,640.
	II. 4	Includes bibliographic utilities, searching, retrospective conversion, interlibrary loan, document delivery. These expenditures could not be separated for some libraries and appear in II. 11.
	II. 12	Excludes $1,644,981 fringe benefits. Total Library Expenditures with fringe benefits are $17,162,028.
WATERLOO		All figures are as of April 30, 1994.
		Figures include the University Map and Design Library, the Davis Library, and the Optometry Reading Room.
	I. 1-3, 5-8	Includes government documents.
	III. 4-5	1992-93 figures revised as follows: III. 4 = 131; III. 5 = 20.
	III. 6	Figures based on 35 hour work week. 1992-93 figure revised to 195.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $1,613,137; (2) $2,898,916; (3) U/A; (4) 0 (5) $4,512,053; (6) $105,564; (7) $2,507,588; (8) $3,379,365; (9) $448,681; (10) $6,335,634; (11) $865,160; (12) $11,818,411.
WAYNE STATE		All figures are as of September 30, 1994.
		Includes Reuther Archives of Labor and Urban Affairs, and College of Pharmacy and Allied Health Professions.

Institution	Category from Main Data Tables	Notes
WAYNE STATE (cont'd)	I. 1-3, 5-8	Includes government documents, based on sampling
	II. 3	Included in Monographs Expenditures (II. 1) and Serials Expenditures (II. 2)
WESTERN ONTARIO		All figures are as of April 30, 1994
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $1,305,361; (2) $4,086,708; (3) N/A; (4) $0; (5) $5,392,069; (6) $194,842; (7) U/A; (8) U/A; (9) U/A; (10) $8,652,294; (11) $751,673; (12) $14,990,878.
WISCONSIN		Volumes held June 30, 1993, revised to 5,423,556 in order to correct error in the calculation of number of cataloged government documents added
	I. 1	Includes maps not included in I. 12
	I. 7-9	Some government document serials are assigned Library of Congress numbers and are in the serials count
	I. 12	Includes maps not included in I. 1
YALE		Includes Lewis Walpole Library in Farmington, Connecticut
	I. 1-3	Excludes government documents
	II. 3	Includes microforms, manuscripts and rare books
	III. 4	Includes casual positions
YORK		All figures are as of April 30, 1994
		Includes Glendon Campus
	I. 13	Additional holdings: 1,128 linear feet
	II. 11	Includes bibliographic utilities for 1993-94, Can. $87,455. Online searching for 1993-94 is Can. $7,154.
	II. 1-12	Expenditures reported in Canadian dollars were: (1) $1,999,736; (2) $2,800,883; (3) $31,046; (4) $72,662; (5) $4,904,327; (6) $191,743; (7) $3,327,079; (8) $4,732,354; (9) $796,608; (10) $8,856,041; (11) $2,165,199; (12) $16,117,310.

APPENDIX A

The Association of Research Libraries

The Association of Research Libraries (ARL) represents the interests of 119 libraries that serve major North American research institutions. ARL operates as a forum for the exchange of ideas and as an agent for collective action to influence the forces affecting the ability of these libraries to meet the future needs of scholarship. The ARL Statistics and Measurement Program is organized around identifying, collecting, analyzing, and distributing quantifiable information describing the characteristics of research libraries. The program offers publications and special member services, and collaborates with other national and international library statistics programs. The data collected include salaries, library holdings, expenditures, staff, interlibrary lending, and preservation activities.

The members of the Association are

Institution	Category	Full Name of Institution	Location
Alabama	S	University of Alabama	Tuscaloosa, Alabama
Alberta	C	University of Alberta	Edmonton Alberta
Arizona	S	University of Arizona	Tucson, Arizona
Arizona State	S	Arizona State University	Tempe, Arizona
Auburn	S	Auburn University	Auburn, Alabama
Boston	P	Boston University	Boston, Massachusetts
Brigham Young	P	Brigham Young University	Provo, Utah
British Columbia	C	University of British Columbia	Vancouver, British Columbia
Brown	P	Brown University	Providence, Rhode Island
California, Berkeley	S	University of California, Berkeley	Berkeley, California
California, Davis	S	University of California, Davis	Davis, California
California, Irvine	S	University of California, Irvine	Irvine, California
California, Los Angeles	S	University of California, Los Angeles	Los Angeles, California
California, Riverside	S	University of California, Riverside	Riverside, California
California, San Diego	S	University of California, San Diego	La Jolla, California
California, Santa Barbara	S	University of California, Santa Barbara	Santa Barbara, California
Case Western Reserve	P	Case Western Reserve University	Cleveland, Ohio
Chicago	P	University of Chicago	Chicago, Illinois
Cincinnati	S	University of Cincinnati	Cincinnati, Ohio
Colorado	S	University of Colorado	Boulder, Colorado
Colorado State	S	Colorado State University	Fort Collins, Colorado
Columbia	P	Columbia University	New York, New York
Connecticut	S	University of Connecticut	Storrs, Connecticut
Cornell	P	Cornell University	Ithaca, New York
Dartmouth	P	Dartmouth College	Hanover, New Hampshire
Delaware	S	University of Delaware	Newark, Delaware
Duke	P	Duke University	Durham, North Carolina
Emory	P	Emory University	Atlanta, Georgia
Florida	S	University of Florida	Gainesville, Florida
Florida State	S	Florida State University	Tallahassee, Florida
Georgetown	P	Georgetown University	Washington, D.C.
Georgia	S	University of Georgia	Athens, Georgia
Georgia Tech	S	Georgia Institute of Technology	Atlanta, Georgia
Guelph	C	University of Guelph	Guelph, Ontario
Harvard	P	Harvard University	Cambridge, Massachusetts
Hawaii	S	University of Hawaii	Honolulu, Hawaii
Houston	S	University of Houston	Houston, Texas
Howard	P	Howard University	Washington, D.C.
Illinois, Chicago	S	University of Illinois at Chicago	Chicago, Illinois
Illinois, Urbana	S	University of Illinois at Urbana	Urbana, Illinois
Indiana	S	Indiana University	Bloomington, Indiana
Iowa	S	University of Iowa	Iowa City, Iowa
Iowa State	S	Iowa State University	Ames, Iowa
Johns Hopkins	P	Johns Hopkins University	Baltimore, Maryland
Kansas	P	University of Kansas	Lawrence, Kansas
Kent State	S	Kent State University	Kent, Ohio
Kentucky	S	University of Kentucky	Lexington, Kentucky
Laval	C	Laval University	Quebec
Louisiana State	S	Louisiana State University	Baton Rouge, Louisiana
McGill	C	McGill University	Montreal, Quebec
McMaster	C	McMaster University	Hamilton, Ontario
Manitoba	C	University of Manitoba	Winnipeg, Manitoba
Maryland	S	University of Maryland	College Park, Maryland
Massachusetts	S	University of Massachusetts	Amherst, Massachusetts
MIT	P	Massachusetts Institute of Technology	Cambridge, Massachusetts
Miami	P	University of Miami	Coral Gables, Florida

S=U.S. public university P=U.S. private university N=U.S. nonuniversity library C=Canadian university X=Canadian nonuniversity

Institution	Category	Full Name of Institution	Location
Michigan	S	University of Michigan	Ann Arbor, Michigan
Michigan State	S	Michigan State University	East Lansing, Michigan
Minnesota	S	University of Minnesota	Minneapolis, Minnesota
Missouri	S	University of Missouri	Columbia, Missouri
Nebraska	S	University of Nebraska-Lincoln	Lincoln, Nebraska
New Mexico	S	University of New Mexico	Albuquerque, New Mexico
New York	P	New York University	New York, New York
North Carolina	S	University of North Carolina	Chapel Hill, North Carolina
North Carolina State	S	North Carolina State University	Raleigh, North Carolina
Northwestern	P	Northwestern University	Evanston, Illinois
Notre Dame	P	University of Notre Dame	Notre Dame, Indiana
Ohio State	S	Ohio State University	Columbus, Ohio
Oklahoma	S	University of Oklahoma	Norman, Oklahoma
Oklahoma State	S	Oklahoma State University	Stillwater, Oklahoma
Oregon	S	University of Oregon	Eugene, Oregon
Pennsylvania	P	University of Pennsylvania	Philadelphia, Pennsylvania
Pennsylvania State	S	Pennsylvania State University	University Park, Pennsylvania
Pittsburgh	S	University of Pittsburgh	Pittsburgh, Pennsylvania
Princeton	P	Princeton University	Princeton, New Jersey
Purdue	S	Purdue University	West Lafayette, Indiana
Queen's	C	Queen's University	Kingston, Ontario
Rice	P	Rice University	Houston, Texas
Rochester	P	University of Rochester	Rochester, New York
Rutgers	S	Rutgers University	New Brunswick, New Jersey
Saskatchewan	C	University of Saskatchewan	Saskatoon, Saskatchewan
South Carolina	S	University of South Carolina	Columbia, South Carolina
Southern California	P	University of Southern California	Los Angeles, California
Southern Illinois	S	Southern Illinois University	Carbondale, Illinois
Stanford	P	Stanford University	Stanford, California
SUNY-Albany	S	State University of New York at Albany	Albany, New York
SUNY-Buffalo	S	State University of New York at Buffalo	Buffalo, New York
SUNY-Stony Brook	S	State University of New York at Stony Brook	Stony Brook, New York
Syracuse	P	Syracuse University	Syracuse, New York
Temple	S	Temple University	Philadelphia, Pennsylvania
Tennessee	S	University of Tennessee	Knoxville, Tennessee
Texas	S	University of Texas	Austin, Texas
Texas A&M	S	Texas A&M University	College Station, Texas
Toronto	C	University of Toronto	Toronto, Ontario
Tulane	P	Tulane University	New Orleans, Louisiana
Utah	S	University of Utah	Salt Lake City, Utah
Vanderbilt	P	Vanderbilt University	Nashville, Tennessee
Virginia	S	University of Virginia	Charlottesville, Virginia
VPI & SU	S	Virginia Polytechnic Institute & State University	Blacksburg, Virginia
Washington	S	University of Washington	Seattle, Washington
Washington State	S	Washington State University	Pullman, Washington
Washington U.-St. Louis	P	Washington University	St. Louis, Missouri
Waterloo	C	University of Waterloo	Waterloo, Ontario
Wayne State	S	Wayne State University	Detroit, Michigan
Western Ontario	C	University of Western Ontario	London, Ontario
Wisconsin	S	University of Wisconsin	Madison, Wisconsin
Yale	P	Yale University	New Haven, Connecticut
York	C	York University	North York, Ontario
Boston Public Library	N	Boston Public Library	Boston, Massachusetts
Canada Inst. for SciTech	X	Canada Inst. for Scientific & Technical Information	Ottawa, Ontario
Center for Research Libs.	N	Center for Research Libraries	Chicago, Illinois
Library of Congress	N	Library of Congress	Washington, D.C.
Linda Hall Library	N	Linda Hall Library	Kansas City, Missouri
Natl. Agricultural Lib.	N	National Agricultural Library	Beltsville, Maryland
Natl. Library of Canada	X	National Library of Canada	Ottawa, Ontario
Natl. Library of Medicine	N	National Library of Medicine	Bethesda, Maryland
New York Public Library	N	New York Public Library	New York, New York
New York State Library	N	New York State Library	Albany, New York
Smithsonian Institution	N	Smithsonian Institution	Washington, D.C.

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February 24, 1995

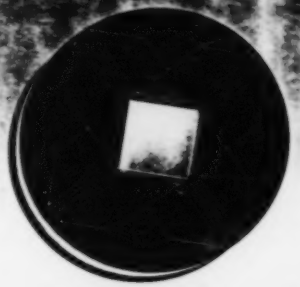
1993-94 ARL STATISTICS

UPDATES

The following revisions were reported since the 1993-94 *ARL Statistics* was published:

Arizona State University	
Cartographic Materials	178,188
University of California-Berkeley	
Monographs Expenditures	$4,153,405
Total Library Materials Expenditures	9,559,943
Contract Binding Expenditures	848,936
Total Salaries & Wages	18,037,964
Other Operating Expenditures	4,051,243
Total Library Expenditures	32,498,086
University of Maryland	
Monographs Expenditures	$1,539,009
Current Serials Expenditures	2,729,202
Other Library Materials Expenditures	190,407
Miscellaneous Materials Expenditures	36,916
Student Assistants, FTE	107
Total Staff, FTE	371
National Agricultural Library	
Total Microform Units in Library	1,053,578
Total Items Loaned through Interlibrary Loan	106,173

1993-94



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